

# Pennyrile Area Occupational Outlook to 2014



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Education Cabinet  
Department for Workforce Investment  
Office of Employment and Training



**Pennyrile Area  
Occupational Outlook to 2014**

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Kentucky Education Cabinet**

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## PREFACE

The information and projections contained in this publication are based on a broad range of labor market information and statistics that are collected and analyzed by the staff of the Labor Market Information (LMI) section.

The Occupational Employment Statistics (OES) survey of approximately 20,000 Kentucky employers provided the occupational employment data used in the study. The data obtained from the Current Employment Statistics (CES) and the Quarterly Census of Employment and Wages (QCEW) programs were used to project industries to the year 2014. Staff utilized data from all programs to project the 2014 occupational outlook publications for each of the ADDs below:

ADD 1-Purchase Area	ADD 8&9-Buffalo Trace and Gateway Areas
ADD 2-Pennyrile Area	ADD 10-FIVCO Area
ADD 3-Green River Area	ADD 11-Big Sandy Area
ADD 4-Barren River Area	ADD 12-Kentucky River Area
ADD 5-Lincoln Trail Area	ADD 13-Cumberland Valley Area
ADD 6-Louisville (KIPDA) Area	ADD 14-Lake Cumberland Area
ADD 7-Northern Kentucky Area	ADD 15-Bluegrass Area

The U.S. Department of Labor (USDOL), Employment and Training Administration (ETA) provided funding for the publication and projections. The national industry and occupational projections developed by the U. S. Department of Labor, Bureau of Labor Statistics (BLS), were used in conjunction with state and regional trends to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis, provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the projections. Special thanks to Kentucky employers who completed the questionnaires that provide the employment information necessary to complete this project.

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## INTRODUCTION

### Pennyrile Area

Which jobs will be in demand? Which occupations will provide the largest number of job openings? Which are likely to grow or decline? The *Pennyrile Area Occupational Outlook to 2014* offers answers and insight regarding these often-asked questions. Students, job seekers, counselors, and others will find this information beneficial.

Tables listing the 45 occupations with the largest number of annual job openings and the fastest-growing occupations are included. They also provide occupational employment projections, the number and percentage of expected change, and the average number of annual job openings for the period 2004 to 2014.

Please note that the estimates and projections are subject to limitations that are a part of any effort to determine future conditions. Long-term job trends offer insight into the occupational growth or decline in the area. The projections are carefully prepared using accepted methods within a framework of national, state and area assumptions. However, they will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the demand for labor from 2004 through 2014. The supply, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

The development and utilization of our human resources is always a priority for those concerned with employment training. It is crucial that education and training planners, business, labor, government, and job seekers have the necessary occupational information to aid them in the development of education and training programs. This publication was intended to assist in these efforts.

**NOTE:** Prior to 2000, the Occupational Employment Statistics (OES) codes were used to classify occupations. The 2004-2014 projections use the Standard Occupational Classification (SOC) system. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different from those used before 2000. Several major groups have been renamed, combined, or reorganized. Some individual occupations have been renamed, reclassified, or are no longer listed. Many newer occupations may be listed for the first time. Because of these changes, the 2004-2014 projections are not comparable to those completed before 2000. Information on the SOC system is available on the U.S. Bureau of Labor Statistics SOC Home Page <http://www.bls.gov/soc/home.htm>.

## **PENNYRILE HIGHLIGHTS 2004-2014**

- ✓ Employment is projected to grow from 86,483 to 94,498, a gain of 9.3 percent.
- ✓ Total annual job openings are expected to be about 3,124.
- ✓ Growth in employment will create about 1,044 job openings annually.
- ✓ Approximately 2,080 job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Thirty-three percent of job openings will result from growth; the remaining 67 percent will result from separations from the labor force.
- ✓ The greatest number of annual job openings will be in Production Occupations (394), followed by Food Preparation and Serving Related Occupations (367), and Sales and Related Occupations (281).
- ✓ Occupations with the largest percentage change are Network Systems and Data Communications Analysts (61.5%), Computer Software Engineers (44.4%), Home Health Aides (41.1%) and Medical Assistants (38.5%).
- ✓ The largest growth rates are likely to be in Postsecondary Teacher Occupations (31.4%), Fire Fighting and Prevention Occupations (27.6%), and Occupational and Physical Therapist Assistants and Aides Occupations (27.3%).
- ✓ The two occupations with the largest number of annual job openings are Team Assemblers (120) and Cashiers (119).

## USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?	<b>1)</b> Total average annual job openings and <b>2)</b> employment change expressed as a percentage. The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.
What creates job openings?	<b>1)</b> Employment growth (new jobs), <b>2)</b> employment separations (job vacancies created by persons separating from an occupation).
What causes employment change?	<i>Industrial growth or decline</i> has the greatest influence. This occurs when the demand for goods and services rises, thus the demand for workers increases. <i>Technological change</i> may raise the demand for some skills while eliminating the demand for others. <i>Self-service, out-sourcing, or 24 hour operations</i> can also affect employment change.
What about employment separations?	Employment separations are still important when evaluating the potential outlook for an occupation. Job openings are created when employees separate from occupations because of retirements, promotions, career changes, death, etc. The number of separations can exceed new jobs.
Do workers tend to leave one occupation more than other occupations?	Every occupation has a different rate of employment separations. Occupations requiring more education and training and/or having a high percentage of full time workers tend to have low separation rates. Those requiring little education and/or training tend to have higher separation rates.
What factors affect the number of job openings for an occupation?	<b>1)</b> The number of workers who are currently employed, <b>2)</b> the number of job vacancies created by worker separation, and <b>3)</b> the rate of change, i.e., how fast the occupation is growing or declining.
Which factor is more important?	The size of employment and separation rate is more important than rate of change.
What is the best way to compare one occupation with another?	Look at the total average annual job openings, not just openings resulting from growth. A large number of openings indicates it should be relatively easy to find a job in that occupation. Also, consider the rate of employment change. A high percentage increase denotes there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.

**Top 45  
Pennyrile Occupations With The Most Annual Job Openings**

Occupation Code	Occupational Title	Job Openings Average Annual 2004-2014		
		Growth	Separations	Total
<b><u>Management Occupations</u></b>				
11-1021	General & Operations Mgrs.	14	22	<b>36</b>
<b><u>Business and Financial Operations Occupations</u></b>				
13-2011	Accountants & Auditors	13	9	<b>22</b>
<b><u>Education, Training and Library Occupations</u></b>				
25-3099	Teachers & Instructors, All Other	21	12	<b>33</b>
25-2021	Elem. School Teachers, Ex. Special Education	12	17	<b>29</b>
25-9041	Teacher Assistants	14	15	<b>29</b>
25-2031	Sec. School Teachers, Ex. Special & Voc. Ed.	7	14	<b>21</b>
<b><u>Healthcare Practitioners and Technical Occupations</u></b>				
29-1111	Registered Nurses	43	37	<b>80</b>
29-2061	Licensed Practical & Licensed Voc. Nurses	7	17	<b>24</b>
<b><u>Healthcare Support Occupations</u></b>				
31-1012	Nursing Aides, Orderlies & Attendants	29	23	<b>52</b>
<b><u>Protective Service Occupations</u></b>				
33-3012	Correctional Officers & Jailers	6	13	<b>19</b>
<b><u>Food Preparation and Serving Related Occupations</u></b>				
35-3021	Combined Food Prep. & Serving Workers	40	77	<b>117</b>
35-3031	Waiters & Waitresses	25	60	<b>85</b>
35-1012	Mgrs. of Food Preparation & Serving Workers	13	15	<b>28</b>
35-2014	Cooks, Restaurant	11	14	<b>25</b>
35-2021	Food Preparation Workers	9	16	<b>25</b>
35-2011	Cooks, Fast Food	10	13	<b>23</b>
35-2012	Cooks, Institution & Cafeteria	2	18	<b>20</b>
<b><u>Building and Grounds Cleaning and Maintenance Occupations</u></b>				
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	18	25	<b>43</b>
37-2012	Maids & Housekeeping Cleaners	4	16	<b>20</b>
<b><u>Personal Care and Service Occupations</u></b>				
39-9011	Child Care Workers	22	35	<b>57</b>



**Top 45  
Pennyrile Occupations With The Most Annual Job Openings**

Occupation Code	Occupational Title	Job Openings Average Annual 2004-2014		
		Growth	Separations	Total
<b><u>Sales and Related Occupations</u></b>				
41-2011	Cashiers	5	114	<b>119</b>
41-2031	Retail Salespersons	29	88	<b>117</b>
41-1011	Mgrs. of Retail Sales Workers	16	26	<b>42</b>
41-4012	Sales Reps., Whole. & Manuf., Ex. Tech. & Sci.	7	13	<b>20</b>
41-2021	Counter & Rental Clerks	7	12	<b>19</b>
<b><u>Office and Administrative Support Occupations</u></b>				
43-3071	Tellers	6	26	<b>32</b>
43-5081	Stock Clerks & Order Fillers	0	29	<b>29</b>
43-9061	Office Clerks, General	4	25	<b>29</b>
43-4171	Receptionists & Information Clerks	9	16	<b>25</b>
43-3031	Bookkeeping, Accounting & Auditing Clerks	3	21	<b>24</b>
43-6014	Secretaries, Ex. Legal, Medical & Executive	0	22	<b>22</b>
43-1011	Mgrs. of Office & Admin. Support Workers	3	18	<b>21</b>
43-6011	Executive Secretaries & Admin. Assistants	5	14	<b>19</b>
<b><u>Farming, Fishing, and Forestry Occupations</u></b>				
45-2092	Farmworkers & Laborers, Crop, Nursery	0	31	<b>31</b>
<b><u>Constructing and Extraction Occupations</u></b>				
47-2073	Operating Engineers & Other Constr. Equip. Ops.	8	13	<b>21</b>
47-2031	Carpenters	10	9	<b>19</b>
<b><u>Installation, Maintenance and Repair Occupations</u></b>				
49-9042	Maintenance & Repair Workers, General	13	24	<b>37</b>
49-3023	Automotive Service Technicians & Mechanics	7	11	<b>18</b>
<b><u>Production Occupations</u></b>				
51-2092	Team Assemblers	49	71	<b>120</b>
51-9198	Helpers--Production Workers	11	23	<b>34</b>
51-6031	Sewing Machine Operators	0	28	<b>28</b>
51-1011	Mgrs. of Production & Operating	6	15	<b>21</b>
<b><u>Transportation and Material Moving Occupations</u></b>				
53-7062	Laborer & Freight, Stock & Material Mover, Hand	6	46	<b>52</b>
53-3032	Truck Drivers, Heavy & Tractor-Trailer	19	20	<b>39</b>
53-3022	Bus Drivers, School	8	11	<b>19</b>

**Top 45  
Fastest Growing Pennyrile Area Occupations**

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment		Change		Job Openings
		Actual 2004	Projected 2014	2004-2014 Number	Percent	Average Annual 2004-2014
<b><u>Management Occupations</u></b>						
11-3071	Transportation, Storage & Distribution Mgrs.	40	51	11	<b>27.5</b>	2
11-9051	Food Service Mgrs.	357	453	96	<b>26.9</b>	16
11-9021	Construction Mgrs.	317	395	78	<b>24.6</b>	14
<b><u>Business and Financial Operations Occupations</u></b>						
13-1079	HR, Training & Labor Relations Spec.	40	52	12	<b>30.0</b>	2
13-2011	Accountants & Auditors	460	585	125	<b>27.2</b>	22
<b><u>Computer and Mathematical Occupations</u></b>						
15-1081	Network Systems & Data Comm. Analysts	52	84	32	<b>61.5</b>	4
15-1031	Computer Software Engineers, Applications	81	117	36	<b>44.4</b>	5
15-1071	Network & Computer Systems Admin.	103	142	39	<b>37.9</b>	5
<b><u>Architecture and Engineering Occupations</u></b>						
17-2112	Industrial Engineers	174	221	47	<b>27.0</b>	9
<b><u>Community and Social Service Occupations</u></b>						
21-1093	Social & Human Service Assistants	88	109	21	<b>23.9</b>	4
21-1022	Medical & Public Health Social Workers	44	54	10	<b>22.7</b>	2
<b><u>Legal Occupations</u></b>						
23-2011	Paralegals & Legal Assistants	155	195	40	<b>25.8</b>	5
<b><u>Education, Training and Library Occupations</u></b>						
25-2011	Preschool Teachers, Ex. Special Education	197	260	63	<b>32.0</b>	8
25-1199	Post. Teachers, All Other	117	153	36	<b>30.8</b>	7
25-1194	Vocational Education Teachers, Post.	98	127	29	<b>29.6</b>	5
25-2041	Special Ed. Teachers, Pre., Kinder. & Elem.	136	173	37	<b>27.2</b>	7
25-9031	Instructional Coordinators	50	63	13	<b>26.0</b>	2
25-3011	Adult Literacy, Remedial Ed. & GED Teachers	89	111	22	<b>24.7</b>	3
25-2042	Special Education Teachers, Middle School	79	97	18	<b>22.8</b>	4
<b><u>Art, Design, Entertainment, Sports and Media Occupations</u></b>						
27-2022	Coaches & Scouts	73	91	18	<b>24.7</b>	3
27-4021	Photographers	54	67	13	<b>24.1</b>	2
<b><u>Healthcare Practitioners and Technical Occupations</u></b>						
29-2099	Health Technologists & Technicians, All Other	31	41	10	<b>32.3</b>	2
29-9099	Healthcare Practitioners & Tech. Work., Other	57	74	17	<b>29.8</b>	3
29-1199	Health Diagnosing & Treat. Practitioners, Other	76	98	22	<b>28.9</b>	4

**Top 45  
Fastest Growing Pennyrile Area Occupations**

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment Actual 2004	Projected 2014	Change 2004-2014 Number    Percent		Job Openings Average Annual 2004-2014
<b><u>Healthcare Practitioners and Technical Occupations (cont.)</u></b>						
29-2041	EMTs & Paramedics	135	173	38	<b>28.1</b>	6
29-2071	Medical Records & Health Info. Technicians	191	244	53	<b>27.7</b>	8
29-2021	Dental Hygienists	64	81	17	<b>26.6</b>	3
<b><u>Healthcare Practitioners and Technical Occupations (cont.)</u></b>						
29-2055	Surgical Technologists	68	85	17	<b>25.0</b>	3
29-9011	Occupational Health & Safety Spec.	80	100	20	<b>25.0</b>	4
29-1111	Registered Nurses	1,778	2,208	430	<b>24.2</b>	80
29-1126	Respiratory Therapists	55	68	13	<b>23.6</b>	3
29-2034	Radiologic Technologists & Technicians	184	226	42	<b>22.8</b>	7
<b><u>Healthcare Support Occupations</u></b>						
31-1011	Home Health Aides	158	223	65	<b>41.1</b>	9
31-9092	Medical Assistants	231	320	89	<b>38.5</b>	13
31-9091	Dental Assistants	191	242	51	<b>26.7</b>	10
<b><u>Protective Service Occupations</u></b>						
33-1021	Mgrs. of Fire Fighting & Prevent	43	56	13	<b>30.2</b>	3
33-2011	Fire Fighters	111	143	32	<b>28.8</b>	6
<b><u>Food Preparation and Serving Related Occupations</u></b>						
35-3022	Counter Attend., Cafeteria & Food Concession	90	112	22	<b>24.4</b>	8
35-2011	Cooks, Fast Food	415	510	95	<b>22.9</b>	23
35-2014	Cooks, Restaurant	459	564	105	<b>22.9</b>	25
<b><u>Building and Grounds Cleaning and Maintenance Occupations</u></b>						
37-1012	Mgrs. of Landscaping, Lawn Service	118	145	27	<b>22.9</b>	4
<b><u>Sales and Related Occupations</u></b>						
41-2021	Counter & Rental Clerks	307	378	71	<b>23.1</b>	19
<b><u>Office and Administrative Support Occupations</u></b>						
43-4111	Interviewers, Ex. Eligibility & Loan	225	279	54	<b>24.0</b>	11
<b><u>Production Occupations</u></b>						
51-9196	Paper Goods Machine SOT	47	58	11	<b>23.4</b>	2
<b><u>Transportation and Material Moving Occupations</u></b>						
53-3041	Taxi Drivers & Chauffeurs	53	66	13	<b>24.5</b>	2

## Explanation of Data Elements in the Occupational Outlook Table

# Occupational Employment Outlook

Occupational		Employment 2004    2014		Job Growth 2004    2014		Average Annual Job Openings			Average Wage	Education/ Training Required
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	
<b>Occupational Codes &amp; Titles</b> used in this report are based on the Standard Occupational Coding (SOC) structure.  <b>NOTE:</b>  Alphabetical listing beginning on page 64 will help locate a specific occupation within the tables.		<b>Estimated</b> 2004 employment is based on the Occupational Employment Statistics (OES) Survey of employers.  <b>Projected</b> 2014 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2004 and 2014.  <b>NOTE:</b>  The occupational employment estimates for 2004 to 2014 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.		<b>Number</b> The total number of jobs in an occupation gained or lost over the 2004 to 2014 period.  <b>Percent</b> Percent change in employment in an occupation over the 10 year period.  <b>NOTE:</b>  In Kentucky, the average growth for all occupations is projected to be 12.2 percent between 2004-2014.  The growth of an occupation is classified as one of the following based on its percent change:  1) Declining (< 0%)  2) Stable (0% - 6.99%)  3) Growing (7% - 16.99%)  4) Fast Growing (17% - 23.99%)  5) Very Fast Growing (> 24%)		<b>Growth</b> Provides estimates of the average number of job openings expected to occur each year between 2004 and 2014.  <b>Separations</b> Provides estimates of the average number of job openings expected to occur each year in an occupation from workers separating or leaving for reasons such as retirement, promotion, or simply transferring among occupations. These separations would require replacement workers.  <b>Total</b> The sum of openings due to <b>growth</b> and openings due to <b>separations</b> for an occupation.  <b>NOTE:</b>  If employment growth is negative, the total number of job openings will equal the number of separations.			<b>Average Wage</b> in this report always refers to the 2005 mean hourly wage.	<b>Education and/or Training Levels Required</b> are developed by the Bureau of Labor Statistics and group occupations into eleven categories (1-11).  <b>NOTE:</b>  The various categories are described in detail on page 76 of this report.

# Pennyrile Area

## Occupational Employment Outlook

### Management Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>00-0000 Total, All Occupations</b>		<b>86,483</b>	<b>94,498</b>	<b>8,015</b>	<b>9.3</b>	<b>1,044</b>	<b>2,080</b>	<b>3,124</b>	<b>14.08</b>	<b>n/a</b>
<b>11-0000 Management Occupations</b>		<b>4,879</b>	<b>5,561</b>	<b>682</b>	<b>14.0</b>	<b>69</b>	<b>91</b>	<b>160</b>	<b>31.71</b>	<b>n/a</b>
<b>11-1000</b>	<b>Top Executives</b>	<b>1,474</b>	<b>1,670</b>	<b>196</b>	<b>13.3</b>	<b>20</b>	<b>28</b>	<b>48</b>	<b>n/a</b>	<b>n/a</b>
11-1011	Chief Executives	335	389	54	16.1	5	6	11	59.32	4
11-1021	General & Operations Mgrs.	1,139	1,281	142	12.5	14	22	36	33.45	4
11-1031	Legislators	*	*	*	*	*	*	*	n/a	4
<b>11-2000</b>	<b>Advertising, Market, Promotions, P.R. &amp; Sales</b>	<b>226</b>	<b>256</b>	<b>30</b>	<b>13.3</b>	<b>3</b>	<b>4</b>	<b>7</b>	<b>n/a</b>	<b>n/a</b>
11-2011	Advertising & Promotions Mgrs.	*	*	*	*	*	*	*	n/a	4
11-2021	Marketing Mgrs.	62	74	12	19.4	1	1	2	34.98	4
11-2022	Sales Mgrs.	126	142	16	12.7	2	2	4	33.86	4
11-2031	Public Relations Mgrs.	*	*	*	*	*	*	*	n/a	4
<b>11-3000</b>	<b>Operations Specialties Mgrs.</b>	<b>636</b>	<b>724</b>	<b>88</b>	<b>13.8</b>	<b>9</b>	<b>11</b>	<b>20</b>	<b>n/a</b>	<b>n/a</b>
11-3011	Administrative Services Mgrs.	63	77	14	22.2	1	1	2	21.48	4
11-3021	Computer & Information Systems Mgrs.	67	81	14	20.9	1	1	2	30.90	4
11-3031	Financial Mgrs.	237	275	38	16.0	4	3	7	28.03	4
11-3041	Compensation & Benefits Mgrs.	*	*	*	*	*	*	*	n/a	4
11-3042	Training & Development Mgrs.	*	*	*	*	*	*	*	n/a	4
11-3049	Human Resources Mgrs., All Other	*	*	*	*	*	*	*	n/a	4
11-3051	Industrial Production Mgrs.	131	134	3	2.3	0	3	3	32.81	8
11-3061	Purchasing Mgrs.	41	43	2	4.9	0	1	1	28.67	4
11-3071	Transportation, Storage & Distribution Mgrs.	40	51	11	27.5	1	1	2	21.72	8

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Management Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
<b>11-9000</b>	<b>Other Management Occupations</b>	<b>2,543</b>	<b>2,911</b>	<b>368</b>	<b>14.5</b>	<b>37</b>	<b>48</b>	<b>85</b>	n/a	n/a
11-9011	Farm, Ranch & Other Agricultural Mgrs.	419	421	2	0.5	0	7	7	n/a	4
11-9012	Farmers & Ranchers	*	*	*	*	*	*	*	n/a	9
11-9021	Construction Mgrs.	317	395	78	24.6	8	6	14	29.00	5
11-9031	Education Admin., Preschool, Child Care Center	*	*	*	*	*	*	*	n/a	4
11-9032	Education Admin., Elem. & Secondary School	144	165	21	14.6	2	4	6	n/a	4
11-9033	Education Admin., Post.	*	*	*	*	*	*	*	n/a	4
11-9039	Education Admin., All Other	*	*	*	*	*	*	*	n/a	4
11-9041	Engineering Mgrs.	72	81	9	12.5	1	1	2	37.60	4
11-9051	Food Service Mgrs.	357	453	96	26.9	10	6	16	16.48	8
11-9061	Funeral Directors	51	55	4	7.8	0	2	2	n/a	6
11-9081	Lodging Mgrs.	*	*	*	*	*	*	*	n/a	8
11-9111	Medical & Health Services Mgrs.	186	219	33	17.7	3	4	7	32.02	4
11-9121	Natural Sciences Mgrs.	*	*	*	*	*	*	*	n/a	4
11-9131	Postmasters & Mail Superintendents	43	41	-2	-4.7	0	1	1	23.94	8
11-9141	Property, Real Estate, Community Assn. Mgrs.	235	274	39	16.6	4	4	8	16.44	5
11-9151	Social & Community Service Mgrs.	128	141	13	10.2	1	3	4	22.13	5
11-9199	Mgrs., All Other	498	558	60	12.0	6	10	16	25.64	8

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Business & Financial Operations Occs.

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>13-0000 Business &amp; Financial Operations Occupations</b>		<b>2,240</b>	<b>2,502</b>	<b>262</b>	<b>11.7</b>	<b>28</b>	<b>42</b>	<b>70</b>	<b>21.20</b>	<b>n/a</b>
<b>13-1000</b>	<b>Business Operations Spec.</b>	<b>1,254</b>	<b>1,374</b>	<b>120</b>	<b>9.6</b>	<b>12</b>	<b>24</b>	<b>36</b>	<b>n/a</b>	<b>n/a</b>
13-1011	Agents & Business Mgrs. of Artists, Perf. & Ath.	*	*	*	*	*	*	*	n/a	4
13-1021	Purchasing Agents & Buyers, Farm Products	*	*	*	*	*	*	*	n/a	8
13-1022	Whole. & Retail Buyers, Ex. Farm Products	40	47	7	17.5	1	1	2	17.69	8
13-1023	Purchasing Agents, Ex. Wholesale & Retail	143	149	6	4.2	1	4	5	20.61	8
13-1031	Claims Adjusters, Examiners & Investigators	42	49	7	16.7	1	1	2	n/a	9
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	*	*	*	n/a	9
13-1041	Compliance Officers, Ex. Agr., Constr., Health	173	175	2	1.2	0	4	4	20.29	9
13-1051	Cost Estimators	43	50	7	16.3	1	1	2	21.94	8
13-1061	Emergency Management Spec.	*	*	*	*	*	*	*	n/a	8
13-1071	Employment, Recruitment & Placement Spec.	63	77	14	22.2	1	1	2	13.82	5
13-1072	Compensation, Benefits & Job Analysis Spec.	34	38	4	11.8	0	1	1	n/a	5
13-1073	Training & Development Spec.	130	145	15	11.5	2	2	4	15.47	5
13-1079	HR, Training & Labor Relations Spec.	40	52	12	30.0	1	1	2	18.40	5
13-1081	Logisticians	*	*	*	*	*	*	*	n/a	5
13-1111	Management Analysts	113	130	17	15.0	2	2	4	n/a	4
13-1121	Meeting & Convention Planners	*	*	*	*	*	*	*	n/a	5
13-1199	Business Operations Spec., All Other	372	398	26	7.0	3	6	9	27.91	5
<b>13-2000</b>	<b>Financial Specialists</b>	<b>986</b>	<b>1,128</b>	<b>142</b>	<b>14.4</b>	<b>16</b>	<b>19</b>	<b>35</b>	<b>n/a</b>	<b>n/a</b>
13-2011	Accountants & Auditors	460	585	125	27.2	13	9	22	18.83	5
13-2021	Appraisers & Assessors of Real Estate	*	*	*	*	*	*	*	n/a	7
13-2031	Budget Analysts	*	*	*	*	*	*	*	n/a	5
13-2041	Credit Analysts	*	*	*	*	*	*	*	n/a	5
13-2051	Financial Analysts	*	*	*	*	*	*	*	n/a	5
13-2052	Personal Financial Advisors	*	*	*	*	*	*	*	n/a	5
13-2053	Insurance Underwriters	*	*	*	*	*	*	*	n/a	5
13-2061	Financial Examiners	*	*	*	*	*	*	*	n/a	5
13-2071	Loan Counselors	*	*	*	*	*	*	*	n/a	5
13-2072	Loan Officers	139	154	15	10.8	2	2	4	22.77	5
13-2081	Tax Examiners, Collectors & Revenue Agents	*	*	*	*	*	*	*	n/a	5
13-2082	Tax Preparers	*	*	*	*	*	*	*	n/a	10
13-2099	Financial Spec., All Other	*	*	*	*	*	*	*	n/a	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Computer & Mathematical Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>15-0000 Computer &amp; Mathematical Occupations</b>		<b>698</b>	<b>884</b>	<b>186</b>	<b>26.6</b>	<b>19</b>	<b>9</b>	<b>28</b>	<b>21.55</b>	<b>n/a</b>
<b>15-1000</b>	<b>Computer Specialists</b>	<b>687</b>	<b>872</b>	<b>185</b>	<b>26.9</b>	<b>19</b>	<b>9</b>	<b>28</b>	<b>n/a</b>	<b>n/a</b>
15-1011	Computer & Information Scientists, Research	*	*	*	*	*	*	*	n/a	2
15-1021	Computer Programmers	115	120	5	4.3	1	3	4	18.52	5
15-1031	Computer Software Engineers, Applications	81	117	36	44.4	4	1	5	26.61	5
15-1032	Computer Software Engineers, Systems Soft.	*	*	*	*	*	*	*	n/a	5
15-1041	Computer Support Spec.	151	178	27	17.9	3	2	5	17.89	6
15-1051	Computer Systems Analysts	121	141	20	16.5	2	1	3	30.32	5
15-1061	Database Admin.	*	*	*	*	*	*	*	n/a	5
15-1071	Network & Computer Systems Admin.	103	142	39	37.9	4	1	5	20.94	5
15-1081	Network Systems & Data Comm. Analysts	52	84	32	61.5	3	1	4	n/a	5
15-1099	Computer Spec., All Other	*	*	*	*	*	*	*	n/a	6
<b>15-2000</b>	<b>Mathematical Scientists</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>n/a</b>	<b>n/a</b>
15-2011	Actuaries	*	*	*	*	*	*	*	n/a	4
15-2021	Mathematicians	*	*	*	*	*	*	*	n/a	2
15-2031	Operations Research Analysts	*	*	*	*	*	*	*	n/a	3
15-2041	Statisticians	*	*	*	*	*	*	*	n/a	3
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	*	*	*	n/a	3

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch



# Pennyrile Area

## Occupational Employment Outlook

### Architecture & Engineering Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>17-0000 Architecture &amp; Engineering Occupations</b>		<b>830</b>	<b>940</b>	<b>110</b>	<b>13.3</b>	<b>11</b>	<b>19</b>	<b>30</b>	<b>25.52</b>	<b>n/a</b>
<b>17-1000</b>	<b>Architects, Surveyors &amp; Cartographers</b>	<b>48</b>	<b>55</b>	<b>7</b>	<b>14.6</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>n/a</b>	<b>n/a</b>
17-1011	Architects, Ex. Landscape & Naval	*	*	*	*	*	*	*	n/a	5
17-1012	Landscape Architects	*	*	*	*	*	*	*	n/a	5
17-1021	Cartographers & Photogrammetrists	*	*	*	*	*	*	*	n/a	5
17-1022	Surveyors	*	*	*	*	*	*	*	n/a	5
<b>17-2000</b>	<b>Engineers</b>	<b>486</b>	<b>563</b>	<b>77</b>	<b>15.8</b>	<b>8</b>	<b>11</b>	<b>19</b>	<b>n/a</b>	<b>n/a</b>
17-2011	Aerospace Engineers	*	*	*	*	*	*	*	n/a	5
17-2021	Agricultural Engineers	*	*	*	*	*	*	*	n/a	5
17-2031	Biomedical Engineers	*	*	*	*	*	*	*	n/a	5
17-2041	Chemical Engineers	*	*	*	*	*	*	*	n/a	5
17-2051	Civil Engineers	81	92	11	13.6	1	1	2	33.26	5
17-2061	Computer Hardware Engineers	*	*	*	*	*	*	*	n/a	5
17-2071	Electrical Engineers	*	*	*	*	*	*	*	n/a	5
17-2072	Electronics Engineers, Ex. Computer	*	*	*	*	*	*	*	n/a	5
17-2081	Environmental Engineers	*	*	*	*	*	*	*	n/a	5
17-2111	Health & Safety Engineers, Ex. Mining Safety	*	*	*	*	*	*	*	n/a	5
17-2112	Industrial Engineers	174	221	47	27.0	5	4	9	28.56	5
17-2121	Marine Engineers & Naval Architects	*	*	*	*	*	*	*	n/a	5
17-2131	Materials Engineers	*	*	*	*	*	*	*	n/a	5
17-2141	Mechanical Engineers	87	97	10	11.5	1	2	3	28.01	5
17-2151	Mining & Geological Engrs., Incl. Mining Safety	*	*	*	*	*	*	*	n/a	5
17-2161	Nuclear Engineers	*	*	*	*	*	*	*	n/a	5
17-2171	Petroleum Engineers	*	*	*	*	*	*	*	n/a	5
17-2199	Engineers, All Other	50	54	4	8.0	0	1	1	27.65	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Architecture & Engineering Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
17-3000	Drafters, Engineering & Mapping Technicians	296	322	26	8.8	3	7	10	n/a	n/a
17-3011	Architectural & Civil Drafters	*	*	*	*	*	*	*	16.73	7
17-3012	Electrical & Electronics Drafters	*	*	*	*	*	*	*	n/a	7
17-3013	Mechanical Drafters	*	*	*	*	*	*	*	n/a	7
17-3019	Drafters, All Other	*	*	*	*	*	*	*	n/a	7
17-3021	Aerospace Engineering & Ops. Technicians	*	*	*	*	*	*	*	n/a	6
17-3022	Civil Engineering Technicians	57	63	6	10.5	1	1	2	15.40	6
17-3023	Electrical & Electronic Engineering Technicians	72	82	10	13.9	1	2	3	25.72	6
17-3024	Electro-Mechanical Technicians	*	*	*	*	*	*	*	n/a	6
17-3025	Environmental Engineering Technicians	*	*	*	*	*	*	*	n/a	6
17-3026	Industrial Engineering Technicians	*	*	*	*	*	*	*	n/a	6
17-3027	Mechanical Engineering Technicians	*	*	*	*	*	*	*	n/a	6
17-3029	Engineering Technicians, Ex. Drafters, All Other	37	35	-2	-5.4	0	1	1	n/a	6
17-3031	Surveying & Mapping Technicians	39	40	1	2.6	0	1	1	13.17	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Life, Physical & Social Science Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>19-0000 Life, Physical &amp; Social Science Occupations</b>		<b>467</b>	<b>501</b>	<b>34</b>	<b>7.3</b>	<b>5</b>	<b>11</b>	<b>16</b>	<b>22.55</b>	<b>n/a</b>
<b>19-1000</b>	<b>Life Scientists</b>	<b>124</b>	<b>131</b>	<b>7</b>	<b>5.6</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>n/a</b>	<b>n/a</b>
19-1011	Animal Scientists	*	*	*	*	*	*	*	n/a	5
19-1012	Food Scientists & Technologists	*	*	*	*	*	*	*	n/a	5
19-1013	Soil & Plant Scientists	*	*	*	*	*	*	*	n/a	5
19-1021	Biochemists & Biophysicists	*	*	*	*	*	*	*	n/a	2
19-1022	Microbiologists	*	*	*	*	*	*	*	n/a	2
19-1023	Zoologists & Wildlife Biologists	*	*	*	*	*	*	*	n/a	5
19-1029	Biological Scientists, All Other	*	*	*	*	*	*	*	n/a	5
19-1031	Conservation Scientists	41	40	-1	-2.4	0	1	1	n/a	5
19-1032	Foresters	*	*	*	*	*	*	*	n/a	5
19-1041	Epidemiologists	*	*	*	*	*	*	*	n/a	3
19-1042	Medical Scientists, Ex. Epidemiologists	*	*	*	*	*	*	*	n/a	2
19-1099	Life Scientists, All Other	*	*	*	*	*	*	*	n/a	5
<b>19-2000</b>	<b>Physical Scientists</b>	<b>67</b>	<b>71</b>	<b>4</b>	<b>6.0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>n/a</b>	<b>n/a</b>
19-2011	Astronomers	*	*	*	*	*	*	*	n/a	2
19-2012	Physicists	*	*	*	*	*	*	*	n/a	2
19-2021	Atmospheric & Space Scientists	*	*	*	*	*	*	*	n/a	5
19-2031	Chemists	*	*	*	*	*	*	*	n/a	5
19-2032	Materials Scientists	*	*	*	*	*	*	*	n/a	5
19-2041	Environmental Scientists & Spec., Incl. Health	*	*	*	*	*	*	*	n/a	3
19-2042	Geoscientists, Ex. Hydrologists & Geographers	*	*	*	*	*	*	*	n/a	3
19-2043	Hydrologists	*	*	*	*	*	*	*	n/a	3
19-2099	Physical Scientists, All Other	*	*	*	*	*	*	*	n/a	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Life, Physical & Social Science Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
19-3000	Social Scientists & Related Workers	154	173	19	12.3	2	4	6	n/a	n/a
19-3011	Economists	*	*	*	*	*	*	*	n/a	3
19-3021	Market Research Analysts	*	*	*	*	*	*	*	n/a	5
19-3022	Survey Researchers	*	*	*	*	*	*	*	n/a	5
19-3031	Clinical, Counseling & School Psychologists	83	100	17	20.5	2	2	4	23.71	2
19-3039	Psychologists, All Other	*	*	*	*	*	*	*	n/a	3
19-3051	Urban & Regional Planners	*	*	*	*	*	*	*	n/a	3
19-3091	Anthropologists & Archeologists	*	*	*	*	*	*	*	n/a	3
19-3092	Geographers	*	*	*	*	*	*	*	n/a	3
19-3093	Historians	*	*	*	*	*	*	*	n/a	3
19-3094	Political Scientists	*	*	*	*	*	*	*	n/a	3
19-3099	Social Scientists & Related Workers, All Other	*	*	*	*	*	*	*	n/a	3
19-4000	Life, Physical & Social Science Technicians	122	126	4	3.3	1	3	4	n/a	n/a
19-4011	Agricultural & Food Science Technicians	*	*	*	*	*	*	*	n/a	6
19-4021	Biological Technicians	*	*	*	*	*	*	*	n/a	6
19-4031	Chemical Technicians	*	*	*	*	*	*	*	n/a	6
19-4041	Geological & Petroleum Technicians	*	*	*	*	*	*	*	n/a	6
19-4061	Social Science Research Assistants	*	*	*	*	*	*	*	n/a	6
19-4091	Environ. Sci. & Protection Techs., Incl. Health	*	*	*	*	*	*	*	n/a	6
19-4092	Forensic Science Technicians	*	*	*	*	*	*	*	n/a	6
19-4093	Forest & Conservation Technicians	47	45	-2	-4.3	0	1	1	n/a	6
19-4099	Life, Physical & Social Sci. Tech., All Other	*	*	*	*	*	*	*	n/a	6

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Community & Social Service Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>21-0000 Community &amp; Social Services Occupations</b>		<b>865</b>	<b>987</b>	<b>122</b>	<b>14.1</b>	<b>12</b>	<b>16</b>	<b>28</b>	<b>16.11</b>	<b>n/a</b>
<b>21-1000</b>	<b>Counselors, Social Work. &amp; Other Social Serv.</b>	<b>855</b>	<b>975</b>	<b>120</b>	<b>14.0</b>	<b>12</b>	<b>16</b>	<b>28</b>	<b>n/a</b>	<b>n/a</b>
21-1011	Substance Abuse & Behavioral Disorder Couns.	*	*	*	*	*	*	*	n/a	3
21-1012	Educational, Vocational & School Counselors	110	131	21	19.1	2	3	5	21.37	3
21-1013	Marriage & Family Therapists	*	*	*	*	*	*	*	n/a	3
21-1014	Mental Health Counselors	*	*	*	*	*	*	*	n/a	3
21-1015	Rehabilitation Counselors	*	*	*	*	*	*	*	n/a	3
21-1019	Counselors, All Other	*	*	*	*	*	*	*	n/a	3
21-1021	Child, Family & School Social Workers	*	*	*	*	*	*	*	17.00	5
21-1022	Medical & Public Health Social Workers	44	54	10	22.7	1	1	2	17.16	5
21-1023	Mental Health & Subst. Abuse Social Workers	*	*	*	*	*	*	*	17.29	3
21-1029	Social Workers, All Other	*	*	*	*	*	*	*	n/a	5
21-1091	Health Educators	*	*	*	*	*	*	*	n/a	3
21-1092	Probation Offcr. & Correctional Treatment Spec.	*	*	*	*	*	*	*	n/a	5
21-1093	Social & Human Service Assistants	88	109	21	23.9	2	2	4	9.47	10
21-1099	Community & Social Service Spec., All Other	*	*	*	*	*	*	*	n/a	5
<b>21-2000</b>	<b>Religious Workers</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>n/a</b>	<b>n/a</b>
21-2011	Clergy	*	*	*	*	*	*	*	n/a	3
21-2021	Directors, Religious Activities & Education	*	*	*	*	*	*	*	n/a	5
21-2099	Religious Workers, All Other	*	*	*	*	*	*	*	n/a	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Legal Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual Growth	2004-2014 Separations	Total		
<b>23-0000</b>	<b>Legal Occupations</b>	<b>743</b>	<b>841</b>	<b>98</b>	<b>13.2</b>	<b>11</b>	<b>8</b>	<b>19</b>	<b>24.07</b>	<b>n/a</b>
<b>23-1000</b>	<b>Lawyers, Judges &amp; Related Workers</b>	<b>389</b>	<b>453</b>	<b>64</b>	<b>16.5</b>	<b>7</b>	<b>5</b>	<b>12</b>	<b>n/a</b>	<b>n/a</b>
23-1011	Lawyers	337	401	64	19.0	6	4	10	n/a	1
23-1021	Adm. Law Judges, Adjudicators & Hearing Offcr.	*	*	*	*	*	*	*	n/a	4
23-1022	Arbitrators, Mediators & Conciliators	*	*	*	*	*	*	*	n/a	4
23-1023	Judges, Magistrate Judges & Magistrates	*	*	*	*	*	*	*	n/a	4
<b>23-2000</b>	<b>Legal Support Workers</b>	<b>354</b>	<b>388</b>	<b>34</b>	<b>9.6</b>	<b>4</b>	<b>3</b>	<b>7</b>	<b>n/a</b>	<b>n/a</b>
23-2011	Paralegals & Legal Assistants	155	195	40	25.8	4	1	5	n/a	6
23-2091	Court Reporters	*	*	*	*	*	*	*	n/a	7
23-2092	Law Clerks	39	37	-2	-5.1	0	0	0	n/a	5
23-2093	Title Examiners, Abstractors & Searchers	*	*	*	*	*	*	*	n/a	10
23-2099	Legal Support Workers, All Other	149	145	-4	-2.7	0	2	2	15.46	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Education, Training & Library Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual Growth	2004-2014 Separations	2014 Total		
<b>25-0000 Education, Training &amp; Library Occupations</b>		<b>4,673</b>	<b>5,594</b>	<b>921</b>	<b>19.7</b>	<b>92</b>	<b>92</b>	<b>184</b>	<b>15.95</b>	<b>n/a</b>
<b>25-1000</b>	<b>Postsecondary Teachers</b>	<b>440</b>	<b>578</b>	<b>138</b>	<b>31.4</b>	<b>14</b>	<b>10</b>	<b>24</b>	<b>n/a</b>	<b>n/a</b>
25-1011	Business Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1021	Computer Science Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1022	Mathematical Science Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1031	Architecture Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1032	Engineering Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1041	Agricultural Sciences Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1042	Biological Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1043	Forestry & Conservation Sci. Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1051	Atmospheric, Earth, Marine & Space Sci., Post.	*	*	*	*	*	*	*	n/a	2
25-1052	Chemistry Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1054	Physics Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1061	Anthropology & Archeology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1062	Area, Ethnic & Cultural Studies Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1063	Economics Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1064	Geography Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1065	Political Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1066	Psychology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1067	Sociology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1069	Social Sciences Teachers, Post., All Other	*	*	*	*	*	*	*	n/a	2
25-1071	Health Specialties Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1072	Nursing Instructors & Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1081	Education Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1082	Library Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Education, Training & Library Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
25-1111	Crim. Justice & Law Enforcement Teach., Post.	*	*	*	*	*	*	*	n/a	2
25-1112	Law Teachers, Post.	*	*	*	*	*	*	*	n/a	1
25-1113	Social Work Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1121	Art, Drama & Music Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1122	Communications Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1123	English Language & Literature Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1124	Foreign Language & Literature Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1125	History Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1126	Philosophy & Religion Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1191	Graduate Teaching Assistants	*	*	*	*	*	*	*	n/a	5
25-1192	Home Economics Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1193	Recreation & Fitness Studies Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1194	Vocational Education Teachers, Post.	98	127	29	29.6	3	2	5	16.74	4
25-1199	Post. Teachers, All Other	117	153	36	30.8	4	3	7	n/a	2
25-2000	Primary, Secondary & Special Ed. Teachers	2,188	2,563	375	17.1	38	50	88	n/a	n/a
25-2011	Preschool Teachers, Ex. Special Education	197	260	63	32.0	6	2	8	10.52	7
25-2012	Kindergarten Teachers, Ex. Special Education	*	*	*	*	*	*	*	24.23	5
25-2021	Elem. School Teachers, Ex. Special Education	759	878	119	15.7	12	17	29	23.65	5
25-2022	Middle School Teachers, Ex. Special & Voc. Ed.	355	395	40	11.3	4	8	12	23.56	5
25-2023	Vocational Education Teachers, Middle School	*	*	*	*	*	*	*	n/a	4
25-2031	Sec. School Teachers, Ex. Special & Voc. Ed.	485	551	66	13.6	7	14	21	24.26	5
25-2032	Vocational Ed. Teachers, Secondary School	44	50	6	13.6	1	1	2	25.46	4
25-2041	Special Ed. Teachers, Pre., Kinder. & Elem.	136	173	37	27.2	4	3	7	23.03	5
25-2042	Special Education Teachers, Middle School	79	97	18	22.8	2	2	4	22.48	5
25-2043	Special Education Teachers, Secondary School	82	98	16	19.5	2	2	4	24.61	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch



# Pennyrile Area

## Occupational Employment Outlook

### Education, Training & Library Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>25-3000</b>	<b>Other Teachers &amp; Instructors</b>	<b>1,081</b>	<b>1,324</b>	<b>243</b>	<b>22.5</b>	<b>24</b>	<b>13</b>	<b>37</b>	<b>n/a</b>	<b>n/a</b>
25-3011	Adult Literacy, Remedial Ed. & GED Teachers	89	111	22	24.7	2	1	3	14.98	5
25-3021	Self-Enrichment Education Teachers	*	*	*	*	*	*	*	n/a	8
25-3099	Teachers & Instructors, All Other	951	1,159	208	21.9	21	12	33	12.07	5
<b>25-4000</b>	<b>Librarians, Curators &amp; Archivists</b>	<b>105</b>	<b>110</b>	<b>5</b>	<b>4.8</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>n/a</b>	<b>n/a</b>
25-4011	Archivists	*	*	*	*	*	*	*	n/a	3
25-4012	Curators	*	*	*	*	*	*	*	n/a	3
25-4013	Museum Technicians & Conservators	*	*	*	*	*	*	*	n/a	3
25-4021	Librarians	75	79	4	5.3	0	2	2	21.37	3
25-4031	Library Technicians	*	*	*	*	*	*	*	n/a	7
<b>25-9000</b>	<b>Other Ed., Training &amp; Library Occupations</b>	<b>859</b>	<b>1,019</b>	<b>160</b>	<b>18.6</b>	<b>16</b>	<b>16</b>	<b>32</b>	<b>n/a</b>	<b>n/a</b>
25-9011	Audio-Visual Collections Spec.	*	*	*	*	*	*	*	n/a	10
25-9021	Farm & Home Management Advisors	*	*	*	*	*	*	*	n/a	5
25-9031	Instructional Coordinators	50	63	13	26.0	1	1	2	25.84	3
25-9041	Teacher Assistants	775	916	141	18.2	14	15	29	11.21	11
25-9099	Education, Training & Library Workers, Other	30	36	6	20.0	1	1	2	n/a	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

**Arts, Design, Entertainment, Sports & Media Occs.**

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>27-0000</b>	<b>Arts, Design, Entertain., Sports &amp; Media Occs.</b>	<b>738</b>	<b>836</b>	<b>98</b>	<b>13.3</b>	<b>11</b>	<b>14</b>	<b>25</b>	<b>12.84</b>	<b>n/a</b>
<b>27-1000</b>	<b>Art &amp; Design Workers</b>	<b>224</b>	<b>253</b>	<b>29</b>	<b>12.9</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>n/a</b>	<b>n/a</b>
27-1011	Art Directors	*	*	*	*	*	*	*	n/a	4
27-1012	Craft Artists	*	*	*	*	*	*	*	n/a	9
27-1013	Fine Artists, Incl. Painters, Sculpt. & Illustrators	*	*	*	*	*	*	*	n/a	9
27-1014	Multi-Media Artists & Animators	*	*	*	*	*	*	*	n/a	5
27-1019	Artists & Related Workers, All Other	*	*	*	*	*	*	*	n/a	9
27-1021	Commercial & Industrial Designers	*	*	*	*	*	*	*	n/a	5
27-1022	Fashion Designers	*	*	*	*	*	*	*	n/a	6
27-1023	Floral Designers	67	75	8	11.9	1	1	2	n/a	10
27-1024	Graphic Designers	61	70	9	14.8	1	1	2	12.95	5
27-1025	Interior Designers	*	*	*	*	*	*	*	n/a	6
27-1026	Merchandise Displayers & Window Trimmers	*	*	*	*	*	*	*	n/a	10
27-1027	Set & Exhibit Designers	*	*	*	*	*	*	*	n/a	5
27-1029	Designers, All Other	*	*	*	*	*	*	*	n/a	5
<b>27-2000</b>	<b>Entertainers &amp; Performers, Sports &amp; Related</b>	<b>160</b>	<b>196</b>	<b>36</b>	<b>22.5</b>	<b>4</b>	<b>4</b>	<b>8</b>	<b>n/a</b>	<b>n/a</b>
27-2011	Actors	*	*	*	*	*	*	*	n/a	9
27-2012	Producers & Directors	*	*	*	*	*	*	*	n/a	4
27-2021	Athletes & Sports Competitors	*	*	*	*	*	*	*	n/a	9
27-2022	Coaches & Scouts	73	91	18	24.7	2	1	3	n/a	9
27-2023	Umpires, Referees & Other Sports Officials	*	*	*	*	*	*	*	n/a	9
27-2031	Dancers	*	*	*	*	*	*	*	n/a	9
27-2032	Choreographers	*	*	*	*	*	*	*	n/a	8
27-2041	Music Directors & Composers	*	*	*	*	*	*	*	n/a	4
27-2042	Musicians & Singers	*	*	*	*	*	*	*	n/a	9
27-2099	Entertainers & Perf., Sports & Related, All Other	*	*	*	*	*	*	*	n/a	9

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

Arts, Design, Entertainment, Sports, Media Occs. (cont'd)

## Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
27-3000	Media & Communication Workers	266	284	18	6.8	3	5	8	n/a	n/a
27-3011	Radio & Television Announcers	41	35	-6	-14.6	0	1	1	10.33	9
27-3012	Public Address System & Other Announcers	*	*	*	*	*	*	*	n/a	9
27-3021	Broadcast News Analysts	*	*	*	*	*	*	*	n/a	4
27-3022	Reporters & Correspondents	*	*	*	*	*	*	*	11.58	4
27-3031	Public Relations Spec.	101	116	15	14.9	2	1	3	17.54	5
27-3041	Editors	35	38	3	8.6	0	1	1	n/a	5
27-3042	Technical Writers	*	*	*	*	*	*	*	n/a	5
27-3043	Writers & Authors	34	41	7	20.6	1	1	2	n/a	5
27-3091	Interpreters & Translators	*	*	*	*	*	*	*	n/a	9
27-3099	Media & Communication Workers, All Other	*	*	*	*	*	*	*	n/a	9
27-4000	Media & Communication Equipment Workers	88	103	15	17.0	2	2	4	n/a	n/a
27-4011	Audio & Video Equipment Technicians	*	*	*	*	*	*	*	n/a	9
27-4012	Broadcast Technicians	*	*	*	*	*	*	*	n/a	6
27-4014	Sound Engineering Technicians	*	*	*	*	*	*	*	n/a	7
27-4021	Photographers	54	67	13	24.1	1	1	2	n/a	9
27-4031	Camera Operators, TV, Video & Motion Picture	*	*	*	*	*	*	*	n/a	10
27-4032	Film & Video Editors	*	*	*	*	*	*	*	n/a	5
27-4099	Media & Comm. Equipment Workers, All Other	*	*	*	*	*	*	*	n/a	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Healthcare Practitioners & Technical Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
29-0000 Healthcare Practitioners & Technical Occs.		4,867	5,824	957	19.7	96	95	191	21.65	n/a
29-1000	Health Diagnosing & Treating Practitioners	2,546	3,118	572	22.5	57	52	109	n/a	n/a
29-1011	Chiropractors	*	*	*	*	*	*	*	n/a	1
29-1021	Dentists, General	30	32	2	6.7	0	1	1	n/a	1
29-1022	Oral & Maxillofacial Surgeons	*	*	*	*	*	*	*	n/a	1
29-1023	Orthodontists	*	*	*	*	*	*	*	n/a	1
29-1031	Dietitians & Nutritionists	31	37	6	19.4	1	1	2	n/a	5
29-1041	Optometrists	*	*	*	*	*	*	*	n/a	1
29-1051	Pharmacists	134	160	26	19.4	3	3	6	38.35	1
29-1061	Physicians & Surgeons	*	*	*	*	*	*	*	n/a	1
29-1062	Anesthesiologists	35	42	7	20.0	1	1	2	70.55	1
29-1063	Family & General Practitioners	47	56	9	19.1	1	1	2	n/a	1
29-1064	Internists, General	*	*	*	*	*	*	*	n/a	1
29-1065	Obstetricians & Gynecologists	*	*	*	*	*	*	*	n/a	1
29-1066	Pediatricians, General	*	*	*	*	*	*	*	n/a	1
29-1067	Psychiatrists	*	*	*	*	*	*	*	n/a	1
29-1069	Surgeons	78	85	7	9.0	1	1	2	n/a	1
29-1071	Physician Assistants	*	*	*	*	*	*	*	n/a	5
29-1081	Podiatrists	*	*	*	*	*	*	*	n/a	1
29-1111	Registered Nurses	1,778	2,208	430	24.2	43	37	80	21.69	6
29-1121	Audiologists	*	*	*	*	*	*	*	n/a	1
29-1122	Occupational Therapists	*	*	*	*	*	*	*	n/a	3
29-1123	Physical Therapists	38	46	8	21.1	1	0	1	32.88	3
29-1124	Radiation Therapists	*	*	*	*	*	*	*	n/a	6
29-1125	Recreational Therapists	*	*	*	*	*	*	*	n/a	5
29-1126	Respiratory Therapists	55	68	13	23.6	1	2	3	17.54	6
29-1127	Speech-Language Pathologists	82	95	13	15.9	1	2	3	19.89	3
29-1129	Therapists, All Other	*	*	*	*	*	*	*	n/a	5
29-1131	Veterinarians	*	*	*	*	*	*	*	n/a	1
29-1199	Health Diagnosing & Treat. Practitioners, Other	76	98	22	28.9	2	2	4	n/a	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Healthcare Practitioners & Tech. Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
29-2000	Health Technologists & Technicians	2,122	2,467	345	16.3	35	39	74	n/a	n/a
29-2011	Medical & Clinical Laboratory Technologists	118	139	21	17.8	2	3	5	18.11	5
29-2012	Medical & Clinical Laboratory Technicians	108	128	20	18.5	2	3	5	18.41	6
29-2021	Dental Hygienists	64	81	17	26.6	2	1	3	n/a	6
29-2031	Cardiovascular Technologists & Technicians	*	*	*	*	*	*	*	n/a	6
29-2032	Diagnostic Medical Sonographers	*	*	*	*	*	*	*	n/a	6
29-2033	Nuclear Medicine Technologists	*	*	*	*	*	*	*	n/a	6
29-2034	Radiologic Technologists & Technicians	184	226	42	22.8	4	3	7	18.76	6
29-2041	Emergency Medical Technicians & Paramedics	135	173	38	28.1	4	2	6	11.85	7
29-2051	Dietetic Technicians	*	*	*	*	*	*	*	n/a	10
29-2052	Pharmacy Technicians	225	266	41	18.2	4	3	7	15.11	10
29-2053	Psychiatric Technicians	82	83	1	1.2	0	1	1	n/a	10
29-2054	Respiratory Therapy Technicians	*	*	*	*	*	*	*	16.48	6
29-2055	Surgical Technologists	68	85	17	25.0	2	1	3	n/a	7
29-2056	Veterinary Technologists & Technicians	*	*	*	*	*	*	*	n/a	6
29-2061	Licensed Practical & Licensed Voc. Nurses	787	855	68	8.6	7	17	24	14.42	7
29-2071	Medical Records & Health Info. Technicians	191	244	53	27.7	5	3	8	9.40	6
29-2081	Opticians, Dispensing	34	34	0	0.0	0	1	1	12.70	9
29-2091	Orthotists & Prosthetists	*	*	*	*	*	*	*	n/a	5
29-2099	Health Technologists & Technicians, All Other	31	41	10	32.3	1	1	2	12.33	7
29-9000	Other Healthcare Practitioners & Tech. Occs.	199	239	40	20.1	4	4	8	n/a	n/a
29-9011	Occupational Health & Safety Spec.	80	100	20	25.0	2	2	4	n/a	5
29-9012	Occupational Health & Safety Technicians	61	63	2	3.3	0	1	1	n/a	7
29-9091	Athletic Trainers	*	*	*	*	*	*	*	n/a	5
29-9099	Healthcare Practitioners & Tech. Workers, Other	57	74	17	29.8	2	1	3	n/a	7

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Healthcare Support Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
<b>31-0000 Healthcare Support Occupations</b>		<b>2,651</b>	<b>3,199</b>	<b>548</b>	<b>20.7</b>	<b>55</b>	<b>40</b>	<b>95</b>	<b>9.08</b>	<b>n/a</b>
<b>31-1000</b>	<b>Nursing, Psychiatric &amp; Home Health Aides</b>	<b>1,928</b>	<b>2,284</b>	<b>356</b>	<b>18.5</b>	<b>36</b>	<b>25</b>	<b>61</b>	<b>n/a</b>	<b>n/a</b>
31-1011	Home Health Aides	158	223	65	41.1	7	2	9	8.84	11
31-1012	Nursing Aides, Orderlies & Attendants	1,761	2,051	290	16.5	29	23	52	8.41	7
31-1013	Psychiatric Aides	*	*	*	*	*	*	*	n/a	11
<b>31-2000</b>	<b>Occupational &amp; Phys. Therapist Assist. &amp; Aides</b>	<b>55</b>	<b>70</b>	<b>15</b>	<b>27.3</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>n/a</b>	<b>n/a</b>
31-2011	Occupational Therapist Assistants	*	*	*	*	*	*	*	19.87	6
31-2012	Occupational Therapist Aides	*	*	*	*	*	*	*	n/a	11
31-2021	Physical Therapist Assistants	*	*	*	*	*	*	*	n/a	6
31-2022	Physical Therapist Aides	*	*	*	*	*	*	*	n/a	11
<b>31-9000</b>	<b>Other Healthcare Support Occupations</b>	<b>668</b>	<b>845</b>	<b>177</b>	<b>26.5</b>	<b>18</b>	<b>14</b>	<b>32</b>	<b>n/a</b>	<b>n/a</b>
31-9011	Massage Therapists	*	*	*	*	*	*	*	n/a	7
31-9091	Dental Assistants	191	242	51	26.7	5	5	10	13.14	10
31-9092	Medical Assistants	231	320	89	38.5	9	4	13	10.01	10
31-9093	Medical Equipment Preparers	31	37	6	19.4	1	1	2	n/a	11
31-9094	Medical Transcriptionists	67	79	12	17.9	1	1	2	10.81	7
31-9095	Pharmacy Aides	*	*	*	*	*	*	*	n/a	11
31-9096	Vet. Assistants & Laboratory Animal Caretakers	*	*	*	*	*	*	*	n/a	11
31-9099	Healthcare Support Workers, All Other	107	119	12	11.2	1	2	3	10.54	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Protective Service Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>33-0000 Protective Service Occupations</b>		<b>1,895</b>	<b>2,086</b>	<b>191</b>	<b>10.1</b>	<b>20</b>	<b>57</b>	<b>77</b>	<b>10.62</b>	<b>n/a</b>
<b>33-1000</b>	<b>Mgrs., Protective Service Workers</b>	<b>229</b>	<b>262</b>	<b>33</b>	<b>14.4</b>	<b>3</b>	<b>7</b>	<b>10</b>	<b>n/a</b>	<b>n/a</b>
33-1011	Mgrs. of Correctional Officers	92	98	6	6.5	1	3	4	n/a	8
33-1012	Mgrs. of Police & Detectives	71	84	13	18.3	1	2	3	19.85	8
33-1021	Mgrs. of Fire Fighting & Prevent	43	56	13	30.2	1	2	3	17.99	8
33-1099	Mgrs. of Protective Service Workers, Other	*	*	*	*	*	*	*	10.34	8
<b>33-2000</b>	<b>Fire Fighting &amp; Prevention Workers</b>	<b>116</b>	<b>148</b>	<b>32</b>	<b>27.6</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>n/a</b>	<b>n/a</b>
33-2011	Fire Fighters	111	143	32	28.8	3	3	6	17.32	9
33-2021	Fire Inspectors & Investigators	*	*	*	*	*	*	*	n/a	8
33-2022	Forest Fire Inspectors & Prevention Spec.	*	*	*	*	*	*	*	n/a	8
<b>33-3000</b>	<b>Law Enforcement Workers</b>	<b>1,055</b>	<b>1,185</b>	<b>130</b>	<b>12.3</b>	<b>13</b>	<b>24</b>	<b>37</b>	<b>n/a</b>	<b>n/a</b>
33-3011	Bailiffs	*	*	*	*	*	*	*	n/a	10
33-3012	Correctional Officers & Jailers	643	700	57	8.9	6	13	19	10.72	10
33-3021	Detectives & Criminal Investigators	*	*	*	*	*	*	*	n/a	8
33-3031	Fish & Game Wardens	*	*	*	*	*	*	*	n/a	6
33-3041	Parking Enforcement Workers	*	*	*	*	*	*	*	n/a	11
33-3051	Police & Sheriff's Patrol Officers	340	402	62	18.2	6	9	15	13.39	9
33-3052	Transit & Railroad Police	*	*	*	*	*	*	*	n/a	9
<b>33-9000</b>	<b>Other Protective Service Workers</b>	<b>495</b>	<b>491</b>	<b>-4</b>	<b>-0.8</b>	<b>1</b>	<b>23</b>	<b>24</b>	<b>n/a</b>	<b>n/a</b>
33-9011	Animal Control Workers	*	*	*	*	*	*	*	n/a	10
33-9021	Private Detectives & Investigators	*	*	*	*	*	*	*	n/a	8
33-9031	Gaming Surveillance Ofcrs. & Investigators	*	*	*	*	*	*	*	n/a	10
33-9032	Security Guards	235	224	-11	-4.7	0	5	5	7.29	11
33-9091	Crossing Guards	*	*	*	*	*	*	*	n/a	11
33-9092	Lifeguards, Ski Patrol & Rec. Protective Workers	96	99	3	3.1	0	7	7	n/a	11
33-9099	Protective Service Workers, All Other	137	136	-1	-0.7	0	10	10	n/a	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Food Preparation & Serving Related Occs.

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>35-0000 Food Preparation &amp; Serving Related Occs.</b>		<b>6,344</b>	<b>7,555</b>	<b>1,211</b>	<b>19.1</b>	<b>121</b>	<b>246</b>	<b>367</b>	<b>7.09</b>	<b>n/a</b>
<b>35-1000</b>	<b>Supervisors, Food Prep. &amp; Serving Workers</b>	<b>676</b>	<b>818</b>	<b>142</b>	<b>21.0</b>	<b>14</b>	<b>16</b>	<b>30</b>	<b>n/a</b>	<b>n/a</b>
35-1011	Chefs & Head Cooks	51	61	10	19.6	1	2	3	11.68	8
35-1012	Mgrs. of Food Preparation & Serving Workers	625	757	132	21.1	13	15	28	11.31	8
<b>35-2000</b>	<b>Cooks &amp; Food Preparation Workers</b>	<b>2,002</b>	<b>2,324</b>	<b>322</b>	<b>16.1</b>	<b>32</b>	<b>64</b>	<b>96</b>	<b>n/a</b>	<b>n/a</b>
35-2011	Cooks, Fast Food	415	510	95	22.9	10	13	23	6.12	11
35-2012	Cooks, Institution & Cafeteria	590	608	18	3.1	2	18	20	8.55	10
35-2013	Cooks, Private Household	*	*	*	*	*	*	*	n/a	9
35-2014	Cooks, Restaurant	459	564	105	22.9	11	14	25	7.76	9
35-2015	Cooks, Short Order	89	103	14	15.7	1	3	4	7.39	11
35-2019	Cooks, All Other	*	*	*	*	*	*	*	n/a	10
35-2021	Food Preparation Workers	448	538	90	20.1	9	16	25	6.82	11
<b>35-3000</b>	<b>Food &amp; Beverage Serving Workers</b>	<b>3,364</b>	<b>4,050</b>	<b>686</b>	<b>20.4</b>	<b>69</b>	<b>156</b>	<b>225</b>	<b>n/a</b>	<b>n/a</b>
35-3011	Bartenders	271	280	9	3.3	1	11	12	7.20	11
35-3021	Combined Food Prep. & Serving Workers	1,778	2,173	395	22.2	40	77	117	6.38	11
35-3022	Counter Attend., Cafeteria & Food Concession	90	112	22	24.4	2	6	8	6.95	11
35-3031	Waiters & Waitresses	1,169	1,423	254	21.7	25	60	85	6.07	11
35-3041	Food Servers, Nonrestaurant	56	62	6	10.7	1	2	3	6.84	11
<b>35-9000</b>	<b>Other Food Prep. &amp; Serving Related Workers</b>	<b>302</b>	<b>363</b>	<b>61</b>	<b>20.2</b>	<b>6</b>	<b>10</b>	<b>16</b>	<b>n/a</b>	<b>n/a</b>
35-9011	Dining & Cafeteria Attend. & Bartender Helpers	36	42	6	16.7	1	1	2	6.38	11
35-9021	Dishwashers	194	234	40	20.6	4	7	11	6.50	11
35-9031	Hosts & Hostesses, Restaurant & Lounge	60	73	13	21.7	1	2	3	6.57	11
35-9099	Food Prep. & Serving Related Workers, Other	*	*	*	*	*	*	*	n/a	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch



# Pennyrile Area

## Occupational Employment Outlook

### Building, Grounds Cleaning & Maintenance Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
37-0000	Building & Grounds Cleaning & Maint. Occs.	2,832	3,167	335	11.8	34	56	90	9.11	n/a
37-1000	Sprvisors., Bldg. & Grounds Cleaning Workers	287	337	50	17.4	5	5	10	n/a	n/a
37-1011	Mgrs. of Housekeeping & Janitorial Workers	169	192	23	13.6	2	4	6	11.34	8
37-1012	Mgrs. of Landscaping, Lawn Service	118	145	27	22.9	3	1	4	16.28	8
37-2000	Building Cleaning & Pest Control Workers	2,072	2,294	222	10.7	22	41	63	n/a	n/a
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	1,300	1,483	183	14.1	18	25	43	8.98	11
37-2012	Maids & Housekeeping Cleaners	761	799	38	5.0	4	16	20	7.32	11
37-2019	Building Cleaning Workers, All Other	*	*	*	*	*	*	*	n/a	11
37-2021	Pest Control Workers	*	*	*	*	*	*	*	10.19	10
37-3000	Grounds Maintenance Workers	473	536	63	13.3	6	10	16	n/a	n/a
37-3011	Landscaping & Groundskeeping Workers	439	501	62	14.1	6	10	16	9.73	11
37-3012	Pesticide Handlers, Sprayers & Applic., Veget.	*	*	*	*	*	*	*	n/a	10
37-3013	Tree Trimmers & Pruners	*	*	*	*	*	*	*	n/a	11
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	*	*	*	n/a	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Personal Care & Service Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
39-0000 Personal Care & Service Occupations		2,851	3,338	487	17.1	49	74	123	9.11	n/a
39-1000	Supervisors, Personal Care & Service Workers	234	279	45	19.2	5	6	11	n/a	n/a
39-1011	Gaming Supervisors	*	*	*	*	*	*	*	n/a	8
39-1021	Mgrs. of Personal Service Workers	230	275	45	19.6	5	6	11	10.48	8
39-2000	Animal Care & Service Workers	181	212	31	17.1	3	4	7	n/a	n/a
39-2011	Animal Trainers	55	65	10	18.2	1	1	2	n/a	10
39-2021	Nonfarm Animal Caretakers	126	147	21	16.7	2	3	5	7.92	11
39-3000	Entertainment Attendants & Related Workers	247	275	28	11.3	3	9	12	n/a	n/a
39-3012	Gaming & Sports Book Writers & Runners	*	*	*	*	*	*	*	n/a	11
39-3021	Motion Picture Projectionists	*	*	*	*	*	*	*	n/a	11
39-3031	Ushers, Lobby Attendants & Ticket Takers	48	51	3	6.3	0	3	3	5.97	11
39-3091	Amusement & Recreation Attendants	151	173	22	14.6	2	4	6	n/a	11
39-3092	Costume Attendants	*	*	*	*	*	*	*	n/a	11
39-3093	Locker, Coatroom & Dressing Room Attendants	*	*	*	*	*	*	*	n/a	11
39-3099	Entertainment Attend. & Related Workers, Other	*	*	*	*	*	*	*	8.08	10
39-4000	Funeral Service Workers	87	100	13	14.9	1	2	3	n/a	n/a
39-4011	Embalmers	*	*	*	*	*	*	*	n/a	7
39-4021	Funeral Attendants	73	84	11	15.1	1	2	3	8.62	11
39-5000	Personal Appearance Workers	416	512	96	23.1	10	10	20	n/a	n/a
39-5011	Barbers	*	*	*	*	*	*	*	n/a	7
39-5012	Hairdressers, Hairstylists & Cosmetologists	202	247	45	22.3	5	4	9	8.75	7
39-5091	Makeup Artists, Theatrical & Performance	*	*	*	*	*	*	*	n/a	7
39-5092	Manicurists & Pedicurists	*	*	*	*	*	*	*	n/a	7
39-5093	Shampooers	*	*	*	*	*	*	*	n/a	11
39-5094	Skin Care Spec.	*	*	*	*	*	*	*	n/a	7
39-6000	Transportation, Tourism & Lodging Attendants	56	56	0	0.0	0	2	2	n/a	n/a
39-6011	Baggage Porters & Bellhops	*	*	*	*	*	*	*	n/a	11
39-6012	Concierges	*	*	*	*	*	*	*	n/a	10
39-6021	Tour Guides & Escorts	44	45	1	2.3	0	1	1	n/a	10
39-6022	Travel Guides	*	*	*	*	*	*	*	n/a	10
39-6031	Flight Attendants	*	*	*	*	*	*	*	n/a	9
39-6032	Transp. Attend., Ex. Flight Attend., Bag Porters	*	*	*	*	*	*	*	n/a	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Personal Care & Service Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
39-9000	Other Personal Care & Service Workers	1,630	1,904	274	16.8	27	42	69	n/a	n/a
39-9011	Child Care Workers	1,285	1,502	217	16.9	22	35	57	6.81	11
39-9021	Personal & Home Care Aides	81	89	8	9.9	1	1	2	6.92	11
39-9031	Fitness Trainers & Aerobics Instructors	62	73	11	17.7	1	1	2	10.67	7
39-9032	Recreation Workers	112	131	19	17.0	2	3	5	8.75	11
39-9041	Residential Advisors	*	*	*	*	*	*	*	n/a	10
39-9099	Personal Care & Service Workers, All Other	43	47	4	9.3	0	1	1	n/a	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Sales & Related Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
41-0000 Sales & Related Occupations		8,329	9,078	749	9.0	77	281	358	11.23	n/a
41-1000	Supervisors, Sales Workers	1,657	1,844	187	11.3	19	30	49	n/a	n/a
41-1011	Mgrs. of Retail Sales Workers	1,418	1,577	159	11.2	16	26	42	14.39	8
41-1012	Mgrs. of Non-Retail Sales Workers	239	267	28	11.7	3	5	8	24.05	8
41-2000	Retail Sales Workers	5,166	5,566	400	7.7	41	217	258	n/a	n/a
41-2011	Cashiers	2,341	2,391	50	2.1	5	114	119	7.27	11
41-2012	Gaming Change Persons & Booth Cashiers	*	*	*	*	*	*	*	n/a	11
41-2021	Counter & Rental Clerks	307	378	71	23.1	7	12	19	7.80	11
41-2022	Parts Salespersons	100	93	-7	-7.0	0	3	3	14.30	10
41-2031	Retail Salespersons	2,417	2,703	286	11.8	29	88	117	9.49	11
41-3000	Sales Representatives, Services	291	331	40	13.7	4	6	10	n/a	n/a
41-3011	Advertising Sales Agents	54	60	6	11.1	1	1	2	12.75	10
41-3021	Insurance Sales Agents	108	126	18	16.7	2	3	5	19.97	5
41-3031	Securities, Commodities & Financial Serv. Sales	44	52	8	18.2	1	1	2	n/a	5
41-3041	Travel Agents	*	*	*	*	*	*	*	n/a	7
41-3099	Sales Representatives, Services, All Other	79	88	9	11.4	1	2	3	10.25	10
41-4000	Sales Reps., Wholesale & Manufacturing	633	711	78	12.3	8	17	25	n/a	n/a
41-4011	Sales Reps., Wholesale & Manuf., Tech. & Sci.	135	146	11	8.1	1	4	5	27.31	10
41-4012	Sales Reps., Whole. & Manuf., Ex. Tech. & Sci.	498	565	67	13.5	7	13	20	20.16	10
41-9000	Other Sales & Related Workers	582	626	44	7.6	5	12	17	n/a	n/a
41-9011	Demonstrators & Product Promoters	*	*	*	*	*	*	*	n/a	10
41-9012	Models	*	*	*	*	*	*	*	n/a	10
41-9021	Real Estate Brokers	*	*	*	*	*	*	*	n/a	8
41-9022	Real Estate Sales Agents	247	275	28	11.3	3	5	8	9.98	7
41-9031	Sales Engineers	*	*	*	*	*	*	*	n/a	5
41-9041	Telemarketers	62	52	-10	-16.1	0	1	1	n/a	11
41-9091	Door-To-Door Sales, News & Street Vendors	*	*	*	*	*	*	*	n/a	11
41-9099	Sales & Related Workers, All Other	47	57	10	21.3	1	1	2	13.12	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Office & Administrative Support Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
43-0000 Office & Administrative Support Occupations		11,562	11,766	204	1.8	63	274	337	11.65	n/a
43-1000	Supervisors, Office & Admin. Support Workers	836	865	29	3.5	3	18	21	n/a	n/a
43-1011	Mgrs. of Office & Admin. Support Workers	836	865	29	3.5	3	18	21	16.85	8
43-2000	Communications Equipment Operators	106	93	-13	-12.3	0	3	3	n/a	n/a
43-2011	Switchboard Operators, Incl. Answering Service	105	92	-13	-12.4	0	3	3	8.77	11
43-2021	Telephone Operators	*	*	*	*	*	*	*	n/a	11
43-2099	Communications Equipment Operators, All Other	*	*	*	*	*	*	*	n/a	11
43-3000	Financial Clerks	2,418	2,548	130	5.4	13	62	75	n/a	n/a
43-3011	Bill & Account Collectors	192	226	34	17.7	3	4	7	11.84	11
43-3021	Billing & Posting Clerks & Machine Operators	440	446	6	1.4	1	8	9	11.96	10
43-3031	Bookkeeping, Accounting & Auditing Clerks	1,093	1,123	30	2.7	3	21	24	12.04	10
43-3051	Payroll & Timekeeping Clerks	122	131	9	7.4	1	3	4	13.04	10
43-3061	Procurement Clerks	48	44	-4	-8.3	0	1	1	13.85	11
43-3071	Tellers	523	578	55	10.5	6	26	32	9.87	11
43-4000	Information & Record Clerks	2,584	2,793	209	8.1	33	58	91	n/a	n/a
43-4011	Brokerage Clerks	*	*	*	*	*	*	*	16.37	10
43-4021	Correspondence Clerks	*	*	*	*	*	*	*	n/a	11
43-4031	Court, Municipal & License Clerks	*	*	*	*	*	*	*	11.37	11
43-4041	Credit Authorizers, Checkers & Clerks	*	*	*	*	*	*	*	n/a	11
43-4051	Customer Service Representatives	473	557	84	17.8	8	7	15	11.28	10
43-4061	Eligibility Interviewers, Government Programs	*	*	*	*	*	*	*	n/a	10
43-4071	File Clerks	76	43	-33	-43.4	0	2	2	8.40	11
43-4081	Hotel, Motel & Resort Desk Clerks	148	149	1	0.7	0	7	7	6.62	11
43-4111	Interviewers, Ex. Eligibility & Loan	225	279	54	24.0	5	6	11	10.27	11
43-4121	Library Assistants, Clerical	47	56	9	19.1	1	2	3	9.51	11
43-4131	Loan Interviewers & Clerks	82	84	2	2.4	0	1	1	11.75	11
43-4141	New Accounts Clerks	*	*	*	*	*	*	*	n/a	8
43-4151	Order Clerks	70	48	-22	-31.4	0	2	2	10.50	11
43-4161	H.R. Assistants, Ex. Payroll & Timekeeping	81	86	5	6.2	1	2	3	14.30	11
43-4171	Receptionists & Information Clerks	656	741	85	13.0	9	16	25	9.12	11
43-4181	Reservation & Transp. Ticket Agents & Clerks	*	*	*	*	*	*	*	n/a	11
43-4199	Information & Record Clerks, All Other	293	229	-64	-21.8	0	5	5	13.97	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Office & Administrative Support Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
43-5000	Material Recording, Dispatching & Distributing	1,930	1,770	-160	-8.3	2	57	59	n/a	n/a
43-5011	Cargo & Freight Agents	*	*	*	*	*	*	*	13.23	10
43-5021	Couriers & Messengers	40	38	-2	-5.0	0	1	1	n/a	11
43-5031	Police, Fire & Ambulance Dispatchers	81	97	16	19.8	2	2	4	10.22	10
43-5032	Dispatchers, Ex. Police, Fire & Ambulance	65	58	-7	-10.8	0	1	1	16.52	10
43-5041	Meter Readers, Utilities	56	34	-22	-39.3	0	2	2	11.62	11
43-5051	Postal Service Clerks	54	51	-3	-5.6	0	1	1	21.95	11
43-5052	Postal Service Mail Carriers	245	231	-14	-5.7	0	8	8	20.10	11
43-5053	Postal Service Mail Sorters & Processors	46	44	-2	-4.3	0	1	1	11.09	11
43-5061	Production, Planning & Expediting Clerks	138	138	0	0.0	0	3	3	16.32	11
43-5071	Shipping, Receiving & Traffic Clerks	342	333	-9	-2.6	0	7	7	12.97	11
43-5081	Stock Clerks & Order Fillers	795	688	-107	-13.5	0	29	29	10.12	11
43-5111	Weigher, Measurer, Checker, Sampler, Records.	53	45	-8	-15.1	0	1	1	10.65	11
43-6000	Secretaries & Administrative Assistants	2,217	2,237	20	0.9	8	42	50	n/a	n/a
43-6011	Executive Secretaries & Admin. Assistants	752	797	45	6.0	5	14	19	13.71	10
43-6012	Legal Secretaries	184	206	22	12.0	2	4	6	14.27	7
43-6013	Medical Secretaries	143	152	9	6.3	1	3	4	10.02	7
43-6014	Secretaries, Ex. Legal, Medical & Executive	1,138	1,082	-56	-4.9	0	22	22	10.34	10
43-9000	Other Office & Administrative Support Workers	1,471	1,460	-11	-0.7	4	33	37	n/a	n/a
43-9011	Computer Operators	*	*	*	*	*	*	*	n/a	10
43-9021	Data Entry Keyers	138	126	-12	-8.7	0	3	3	9.03	10
43-9022	Word Processors & Typists	46	43	-3	-6.5	0	1	1	8.99	10
43-9031	Desktop Publishers	*	*	*	*	*	*	*	n/a	7
43-9041	Insurance Claims & Policy Processing Clerks	*	*	*	*	*	*	*	n/a	10
43-9051	Mail Clerks & Mail Machine Ops., Ex. Postal	*	*	*	*	*	*	*	n/a	11
43-9061	Office Clerks, General	1,128	1,167	39	3.5	4	25	29	10.47	11
43-9071	Office Machine Operators, Ex. Computer	*	*	*	*	*	*	*	n/a	11
43-9081	Proofreaders & Copy Markers	*	*	*	*	*	*	*	n/a	11
43-9111	Statistical Assistants	*	*	*	*	*	*	*	n/a	10
43-9199	Office & Administrative Support Workers, Other	30	30	0	0.0	0	1	1	n/a	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Farming, Fishing & Forestry Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>45-0000 Farming, Fishing &amp; Forestry Occupations</b>		<b>1,691</b>	<b>1,551</b>	<b>-140</b>	<b>-8.3</b>	<b>2</b>	<b>46</b>	<b>48</b>	<b>11.23</b>	<b>n/a</b>
<b>45-1000</b>	<b>Supervisors, Farming, Fishing &amp; Forestry Work.</b>	<b>99</b>	<b>103</b>	<b>4</b>	<b>4.0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>n/a</b>	<b>n/a</b>
45-1011	Mgrs. of Farming, Fishing & Forestry Workers	98	102	4	4.1	0	2	2	n/a	8
45-1012	Farm Labor Contractors	*	*	*	*	*	*	*	n/a	8
<b>45-2000</b>	<b>Agricultural Workers</b>	<b>1,476</b>	<b>1,327</b>	<b>-149</b>	<b>-10.1</b>	<b>1</b>	<b>41</b>	<b>42</b>	<b>n/a</b>	<b>n/a</b>
45-2011	Agricultural Inspectors	*	*	*	*	*	*	*	n/a	8
45-2021	Animal Breeders	37	43	6	16.2	1	1	2	n/a	11
45-2041	Graders & Sorters, Agricultural Products	*	*	*	*	*	*	*	n/a	8
45-2091	Agricultural Equipment Operators	*	*	*	*	*	*	*	n/a	10
45-2092	Farmworkers & Laborers, Crop, Nursery	1,096	959	-137	-12.5	0	31	31	n/a	11
45-2093	Farmworkers, Farm & Ranch Animals	144	135	-9	-6.3	0	4	4	n/a	11
45-2099	Agricultural Workers, All Other	*	*	*	*	*	*	*	n/a	11
<b>45-3000</b>	<b>Fishing &amp; Hunting Workers</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>n/a</b>	<b>n/a</b>
45-3011	Fishers & Related Fishing Workers	*	*	*	*	*	*	*	n/a	10
<b>45-4000</b>	<b>Forest, Conservation &amp; Logging Workers</b>	<b>116</b>	<b>121</b>	<b>5</b>	<b>4.3</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>n/a</b>	<b>10</b>
45-4011	Forest & Conservation Workers	*	*	*	*	*	*	*	n/a	10
45-4021	Fallers	*	*	*	*	*	*	*	n/a	10
45-4022	Logging Equipment Operators	*	*	*	*	*	*	*	12.93	10
45-4023	Log Graders & Scalers	*	*	*	*	*	*	*	n/a	n/a
45-4029	Logging Workers, All Other	*	*	*	*	*	*	*	n/a	n/a

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Construction & Extraction Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>47-0000 Construction &amp; Extraction Occupations</b>		<b>3,708</b>	<b>4,201</b>	<b>493</b>	<b>13.3</b>	<b>50</b>	<b>73</b>	<b>123</b>	<b>15.64</b>	<b>8</b>
<b>47-1000</b>	<b>Supervisors, Construction &amp; Extraction Workers</b>	<b>494</b>	<b>576</b>	<b>82</b>	<b>16.6</b>	<b>8</b>	<b>8</b>	<b>16</b>	<b>n/a</b>	<b>n/a</b>
47-1011	Mgrs. of Constr. Trades & Extraction Workers	494	576	82	16.6	8	8	16	20.38	9
<b>47-2000</b>	<b>Construction Trades Workers</b>	<b>2,374</b>	<b>2,677</b>	<b>303</b>	<b>12.8</b>	<b>30</b>	<b>45</b>	<b>75</b>	<b>n/a</b>	<b>n/a</b>
47-2011	Boilermakers	*	*	*	*	*	*	*	n/a	9
47-2021	Brickmasons & Blockmasons	31	35	4	12.9	0	1	1	n/a	9
47-2022	Stonemasons	*	*	*	*	*	*	*	n/a	9
47-2031	Carpenters	529	625	96	18.1	10	9	19	17.99	10
47-2041	Carpet Installers	*	*	*	*	*	*	*	n/a	10
47-2042	Floor Layers, Ex. Carpet, Wood & Hard Tiles	*	*	*	*	*	*	*	n/a	10
47-2043	Floor Sanders & Finishers	*	*	*	*	*	*	*	n/a	9
47-2044	Tile & Marble Setters	*	*	*	*	*	*	*	n/a	10
47-2051	Cement Masons & Concrete Finishers	57	64	7	12.3	1	1	2	n/a	9
47-2053	Terrazzo Workers & Finishers	*	*	*	*	*	*	*	n/a	10
47-2061	Construction Laborers	451	468	17	3.8	2	6	8	10.95	10
47-2071	Paving, Surfacing & Tamping Equip. Operators	50	55	5	10.0	1	1	2	12.12	10
47-2072	Pile-Driver Operators	*	*	*	*	*	*	*	n/a	10
47-2073	Operating Engineers & Other Constr. Equip. Ops.	486	564	78	16.0	8	13	21	16.75	10
47-2081	Drywall & Ceiling Tile Installers	*	*	*	*	*	*	*	n/a	10
47-2082	Tapers	*	*	*	*	*	*	*	n/a	9
47-2111	Electricians	238	252	14	5.9	1	5	6	18.24	9
47-2121	Glaziers	*	*	*	*	*	*	*	n/a	10
47-2131	Insulation Workers, Floor, Ceiling & Wall	*	*	*	*	*	*	*	n/a	10
47-2132	Insulation Workers, Mechanical	*	*	*	*	*	*	*	n/a	10
47-2141	Painters, Construction & Maintenance	103	119	16	15.5	2	2	4	n/a	10
47-2142	Paperhangers	*	*	*	*	*	*	*	n/a	10
47-2151	Pipelayers	*	*	*	*	*	*	*	n/a	9
47-2152	Plumbers, Pipefitters & Steamfitters	126	141	15	11.9	2	3	5	16.23	9
47-2161	Plasterers & Stucco Masons	*	*	*	*	*	*	*	n/a	9
47-2171	Reinforcing Iron & Rebar Workers	*	*	*	*	*	*	*	n/a	10
47-2181	Roofers	*	*	*	*	*	*	*	n/a	9
47-2211	Sheet Metal Workers	44	48	4	9.1	0	1	1	n/a	10
47-2221	Structural Iron & Steel Workers	*	*	*	*	*	*	*	n/a	9

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch



# Pennyrile Area

## Occupational Employment Outlook

### Construction & Extraction Ocs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>47-3000</b>	<b>Helpers, Construction Trades</b>	<b>115</b>	<b>124</b>	<b>9</b>	<b>7.8</b>	<b>1</b>	<b>5</b>	<b>6</b>	<b>n/a</b>	<b>n/a</b>
47-3011	Helpers--Brick, Block, Stone & Tile Setters	*	*	*	*	*	*	*	n/a	11
47-3012	Helpers--Carpenters	54	60	6	11.1	1	2	3	n/a	11
47-3013	Helpers--Electricians	*	*	*	*	*	*	*	n/a	11
47-3014	Helpers--Paint, Paperhanger, Plasterer & Stucco	*	*	*	*	*	*	*	n/a	11
47-3015	Helpers--Pipelayer & Fitter, Plumber, Steamfitter	*	*	*	*	*	*	*	8.63	11
47-3016	Helpers--Roofers	*	*	*	*	*	*	*	n/a	11
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	*	*	*	n/a	11
<b>47-4000</b>	<b>Other Construction &amp; Related Workers</b>	<b>334</b>	<b>400</b>	<b>66</b>	<b>19.8</b>	<b>7</b>	<b>5</b>	<b>12</b>	<b>n/a</b>	<b>n/a</b>
47-4011	Construction & Building Inspectors	*	*	*	*	*	*	*	n/a	8
47-4021	Elevator Installers & Repairers	*	*	*	*	*	*	*	n/a	9
47-4031	Fence Erectors	*	*	*	*	*	*	*	n/a	10
47-4041	Hazardous Materials Removal Workers	*	*	*	*	*	*	*	n/a	10
47-4051	Highway Maintenance Workers	200	245	45	22.5	5	3	8	10.63	10
47-4061	Rail-Track Laying & Maint. Equipment Operators	*	*	*	*	*	*	*	n/a	10
47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	*	*	*	*	*	*	*	n/a	10
47-4099	Construction & Related Workers, All Other	*	*	*	*	*	*	*	n/a	10
<b>47-5000</b>	<b>Extraction Workers</b>	<b>391</b>	<b>424</b>	<b>33</b>	<b>8.4</b>	<b>4</b>	<b>10</b>	<b>14</b>	<b>n/a</b>	<b>n/a</b>
47-5011	Derrick Operators, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5012	Rotary Drill Operators, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5013	Service Unit Operators, Oil, Gas & Mining	*	*	*	*	*	*	*	n/a	10
47-5021	Earth Drillers, Ex. Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5031	Explosives Worker, Ordnance Handling & Blaster	30	31	1	3.3	0	1	1	n/a	10
47-5041	Continuous Mining Machine Operators	61	71	10	16.4	1	2	3	n/a	10
47-5042	Mine Cutting & Channeling Machine Operators	*	*	*	*	*	*	*	n/a	10
47-5049	Mining Machine Operators, All Other	*	*	*	*	*	*	*	n/a	10
47-5051	Rock Splitters, Quarry	*	*	*	*	*	*	*	n/a	10
47-5061	Roof Bolters, Mining	*	*	*	*	*	*	*	n/a	10
47-5071	Roustabouts, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5081	Helpers--Extraction Workers	121	138	17	14.0	2	3	5	n/a	11
47-5099	Extraction Workers, All Other	33	39	6	18.2	1	1	2	n/a	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

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Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Installation, Maintenance & Repair Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
<b>49-0000 Installation, Maintenance &amp; Repair Occupations</b>		<b>4,321</b>	<b>4,760</b>	<b>439</b>	<b>10.2</b>	<b>47</b>	<b>98</b>	<b>145</b>	<b>16.70</b>	<b>n/a</b>
<b>49-1000</b>	<b>Supervisors of Installation, Maint. &amp; Repair</b>	<b>365</b>	<b>402</b>	<b>37</b>	<b>10.1</b>	<b>4</b>	<b>9</b>	<b>13</b>	<b>n/a</b>	<b>n/a</b>
49-1011	Mgrs. of Mechanics, Installers & Repairers	365	402	37	10.1	4	9	13	22.33	8
<b>49-2000</b>	<b>Electric. &amp; Electron. Equip. Mechanics, Installer</b>	<b>315</b>	<b>341</b>	<b>26</b>	<b>8.3</b>	<b>3</b>	<b>6</b>	<b>9</b>	<b>n/a</b>	<b>n/a</b>
49-2011	Computer, Auto. Teller & Office Machine Repairer	90	96	6	6.7	1	1	2	13.17	7
49-2021	Radio Mechanics	*	*	*	*	*	*	*	n/a	7
49-2022	Telecomm. Equip. Installers & Repairers	61	67	6	9.8	1	1	2	21.09	9
49-2091	Avionics Technicians	*	*	*	*	*	*	*	n/a	7
49-2092	Electric Motor, Power Tool & Related Repairers	54	59	5	9.3	1	1	2	n/a	7
49-2093	Electric. & Electron. Install & Repair, Transp.	*	*	*	*	*	*	*	n/a	7
49-2094	Electric. & Electron. Rep., Commercial & Industr.	34	37	3	8.8	0	1	1	22.06	7
49-2095	Electric. & Electron. Rep., Powerhouse, Substat.	*	*	*	*	*	*	*	n/a	7
49-2096	Electronic Equip. Install & Repair, Motor Vehicle	*	*	*	*	*	*	*	n/a	7
49-2097	Electronic Home Entertain. Equip. Install & Rep.	44	51	7	15.9	1	1	2	n/a	7
49-2098	Security & Fire Alarm Systems Installers	*	*	*	*	*	*	*	n/a	7
<b>49-3000</b>	<b>Vehicle &amp; Mobile Equip. Mechanics, Installers</b>	<b>1,101</b>	<b>1,253</b>	<b>152</b>	<b>13.8</b>	<b>15</b>	<b>29</b>	<b>44</b>	<b>n/a</b>	<b>n/a</b>
49-3011	Aircraft Mechanics & Service Technicians	*	*	*	*	*	*	*	n/a	7
49-3021	Automotive Body & Related Repairers	91	102	11	12.1	1	2	3	13.51	9
49-3022	Automotive Glass Installers & Repairers	*	*	*	*	*	*	*	n/a	9
49-3023	Automotive Service Technicians & Mechanics	426	494	68	16.0	7	11	18	13.49	7
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	209	248	39	18.7	4	5	9	13.96	7
49-3041	Farm Equipment Mechanics	*	*	*	*	*	*	*	n/a	7
49-3042	Mobile Heavy Equip. Mechanics, Ex. Engines	192	211	19	9.9	2	4	6	18.49	7
49-3043	Rail Car Repairers	*	*	*	*	*	*	*	n/a	9
49-3051	Motorboat Mechanics	*	*	*	*	*	*	*	n/a	9
49-3052	Motorcycle Mechanics	*	*	*	*	*	*	*	n/a	9
49-3053	Outdoor Power Equip. & Small Engine Mechanic	*	*	*	*	*	*	*	n/a	10
49-3091	Bicycle Repairers	*	*	*	*	*	*	*	n/a	10
49-3092	Recreational Vehicle Service Technicians	*	*	*	*	*	*	*	n/a	9
49-3093	Tire Repairers & Changers	87	88	1	1.1	0	4	4	10.10	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

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Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Installation, Maintenance & Repair Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
49-9000	Other Installation, Maintenance & Repair Occs.	2,540	2,764	224	8.8	25	54	79	n/a	n/a
49-9011	Mechanical Door Repairers	*	*	*	*	*	*	*	n/a	10
49-9012	Control & Valve Install & Repair, Ex. Mech. Door	37	34	-3	-8.1	0	1	1	17.61	10
49-9021	Heating, A.C. & Refrig. Mechanics & Installers	62	75	13	21.0	1	1	2	12.00	9
49-9031	Home Appliance Repairers	*	*	*	*	*	*	*	n/a	9
49-9041	Industrial Machinery Mechanics	410	460	50	12.2	5	8	13	18.90	9
49-9042	Maintenance & Repair Workers, General	1,263	1,395	132	10.5	13	24	37	16.47	10
49-9043	Maintenance Workers, Machinery	64	72	8	12.5	1	1	2	13.91	11
49-9044	Millwrights	38	42	4	10.5	0	1	1	n/a	9
49-9045	Refractory Materials Repairers, Ex. Brickmasons	*	*	*	*	*	*	*	n/a	10
49-9051	Electrical Power-Line Installers & Repairers	88	70	-18	-20.5	0	3	3	20.10	9
49-9052	Telecommunications Line Installers & Repairers	38	45	7	18.4	1	1	2	n/a	9
49-9061	Camera & Photographic Equipment Repairers	*	*	*	*	*	*	*	n/a	10
49-9062	Medical Equipment Repairers	*	*	*	*	*	*	*	n/a	6
49-9063	Musical Instrument Repairers & Tuners	*	*	*	*	*	*	*	n/a	9
49-9064	Watch Repairers	*	*	*	*	*	*	*	n/a	9
49-9069	Precision Instrument & Equip. Repairers, Other	49	51	2	4.1	0	1	1	26.06	10
49-9091	Coin, Vending & Amusement Mach. Serv. & Rep.	31	35	4	12.9	0	1	1	n/a	10
49-9092	Commercial Divers	*	*	*	*	*	*	*	n/a	10
49-9093	Fabric Menders, Ex. Garment	*	*	*	*	*	*	*	n/a	10
49-9094	Locksmiths & Safe Repairers	*	*	*	*	*	*	*	n/a	10
49-9095	Manufactured Building & Mobile Home Installers	*	*	*	*	*	*	*	n/a	10
49-9096	Riggers	*	*	*	*	*	*	*	n/a	11
49-9097	Signal & Track Switch Repairers	*	*	*	*	*	*	*	n/a	10
49-9098	Helpers--Installation, Maint. & Repair Workers	82	94	12	14.6	1	3	4	9.72	11
49-9099	Installation, Maint. & Repair Workers, All Other	313	316	3	1.0	0	7	7	20.56	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Production Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
<b>51-0000 Production Occupations</b>		<b>12,860</b>	<b>12,231</b>	<b>-629</b>	<b>-4.9</b>	<b>103</b>	<b>291</b>	<b>394</b>	<b>13.37</b>	<b>n/a</b>
<b>51-1000</b>	<b>Supervisors, Production Workers</b>	<b>698</b>	<b>760</b>	<b>62</b>	<b>8.9</b>	<b>6</b>	<b>15</b>	<b>21</b>	<b>n/a</b>	<b>n/a</b>
51-1011	Mgrs. of Production & Operating	698	760	62	8.9	6	15	21	20.40	8
<b>51-2000</b>	<b>Assemblers &amp; Fabricators</b>	<b>3,291</b>	<b>3,840</b>	<b>549</b>	<b>16.7</b>	<b>56</b>	<b>85</b>	<b>141</b>	<b>n/a</b>	<b>n/a</b>
51-2011	Aircraft Structure, Surface, Rig & Sys. Assemb.	*	*	*	*	*	*	*	n/a	9
51-2021	Coil Winders, Tapers & Finishers	*	*	*	*	*	*	*	n/a	11
51-2022	Electrical & Electronic Equipment Assemblers	*	*	*	*	*	*	*	n/a	11
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	*	*	*	n/a	11
51-2031	Engine & Other Machine Assemblers	*	*	*	*	*	*	*	n/a	11
51-2041	Structural Metal Fabricators & Fitters	*	*	*	*	*	*	*	n/a	10
51-2091	Fiberglass Laminators & Fabricators	*	*	*	*	*	*	*	n/a	10
51-2092	Team Assemblers	2,739	3,233	494	18.0	49	71	120	13.75	10
51-2093	Timing Device Assemblers, Adjust. & Calibrators	*	*	*	*	*	*	*	n/a	10
51-2099	Assemblers & Fabricators, All Other	*	*	*	*	*	*	*	n/a	10
<b>51-3000</b>	<b>Food Processing Workers</b>	<b>293</b>	<b>314</b>	<b>21</b>	<b>7.2</b>	<b>3</b>	<b>7</b>	<b>10</b>	<b>n/a</b>	<b>n/a</b>
51-3011	Bakers	106	124	18	17.0	2	3	5	n/a	9
51-3021	Butchers & Meat Cutters	113	108	-5	-4.4	0	3	3	11.14	9
51-3022	Meat, Poultry & Fish Cutters & Trimmers	*	*	*	*	*	*	*	n/a	11
51-3023	Slaughterers & Meat Packers	*	*	*	*	*	*	*	n/a	10
51-3091	Food & Tobacco Roast., Baking, Dry. Mach. Ops.	*	*	*	*	*	*	*	n/a	11
51-3092	Food Batchmakers	47	54	7	14.9	1	1	2	13.14	11
51-3093	Food Cooking Machine Operators & Tenders	*	*	*	*	*	*	*	n/a	11
<b>51-4000</b>	<b>Metal Workers &amp; Plastic Workers</b>	<b>2,862</b>	<b>2,945</b>	<b>83</b>	<b>2.9</b>	<b>16</b>	<b>69</b>	<b>85</b>	<b>n/a</b>	<b>n/a</b>
51-4011	Computer-Controlled Machine Tool Operators	117	134	17	14.5	2	2	4	12.10	10
51-4012	Numerical Tool & Process Control Programmers	*	*	*	*	*	*	*	n/a	9
51-4021	Extruding & Drawing Machine SOT^	56	51	-5	-8.9	0	2	2	n/a	10
51-4022	Forging Machine SOT^, Metal & Plastic	157	174	17	10.8	2	2	4	n/a	10
51-4023	Rolling Machine SOT^, Metal & Plastic	45	47	2	4.4	0	1	1	n/a	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
51-4031	Cutting, Punching & Press Machine SOT^	286	266	-20	-7.0	0	7	7	12.10	10
51-4032	Drilling & Boring Machine Tool SOT^	81	77	-4	-4.9	0	2	2	12.86	10
51-4033	Grind., Lapping, Polish. & Buff. Mach. Tool SOT^	96	85	-11	-11.5	0	2	2	n/a	10
51-4034	Lathe & Turning Machine Tool SOT^	*	*	*	*	*	*	*	n/a	10
51-4035	Milling & Planing Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-4041	Machinists	153	164	11	7.2	1	4	5	18.30	9
51-4051	Metal-Refining Furnace Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-4052	Pourers & Casters, Metal	*	*	*	*	*	*	*	n/a	10
51-4061	Model Makers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4062	Patternmakers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4071	Foundry Mold & Coremakers	*	*	*	*	*	*	*	n/a	10
51-4072	Molding, Coremaking & Casting Machine SOT^	412	396	-16	-3.9	0	10	10	13.18	10
51-4081	Multiple Machine Tool SOT^, Metal & Plastic	295	311	16	5.4	2	8	10	13.03	10
51-4111	Tool & Die Makers	156	189	33	21.2	3	4	7	20.62	9
51-4121	Welders, Cutters, Solderers & Brazers	384	436	52	13.5	5	11	16	14.05	9
51-4122	Welding, Soldering & Brazing Machine SOT^	*	*	*	*	*	*	*	9.64	10
51-4191	Heat Treating Equipment SOT^, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4192	Lay-Out Workers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4193	Plating & Coating Machine SOT^	39	43	4	10.3	0	1	1	n/a	10
51-4194	Tool Grinders, Filers & Sharpeners	38	33	-5	-13.2	0	1	1	8.40	10
51-4199	Metal Workers & Plastic Workers, All Other	438	439	1	0.2	0	10	10	n/a	10
51-5000	Printing Workers	100	102	2	2.0	0	2	2	n/a	n/a
51-5011	Bindery Workers	*	*	*	*	*	*	*	n/a	11
51-5012	Bookbinders	*	*	*	*	*	*	*	n/a	10
51-5021	Job Printers	*	*	*	*	*	*	*	n/a	9
51-5022	Prepress Technicians & Workers	*	*	*	*	*	*	*	10.25	7
51-5023	Printing Machine Operators	53	57	4	7.5	0	1	1	11.21	10

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 76      ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>51-6000</b>	<b>Textile, Apparel &amp; Furnishings Workers</b>	<b>2,736</b>	<b>1,273</b>	<b>-1,463</b>	<b>-53.5</b>	<b>3</b>	<b>39</b>	<b>42</b>	<b>n/a</b>	<b>n/a</b>
51-6011	Laundry & Dry-Cleaning Workers	128	139	11	8.6	1	4	5	7.15	10
51-6021	Pressers, Textile, Garment & Related Materials	48	48	0	0.0	0	1	1	6.92	11
51-6031	Sewing Machine Operators	2,291	872	-1,419	-61.9	0	28	28	9.38	10
51-6041	Shoe & Leather Workers & Repairers	*	*	*	*	*	*	*	n/a	9
51-6042	Shoe Machine Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-6051	Sewers, Hand	*	*	*	*	*	*	*	n/a	11
51-6052	Tailors, Dressmakers & Custom Sewers	*	*	*	*	*	*	*	n/a	9
51-6061	Textile Bleaching & Dyeing Mach. Ops. & Tends.	*	*	*	*	*	*	*	n/a	10
51-6062	Textile Cutting Machine SOT^	50	33	-17	-34.0	0	1	1	n/a	10
51-6063	Textile Knitting & Weaving Machine SOT^	*	*	*	*	*	*	*	13.21	9
51-6064	Textile Winding, Twist. & Draw. Out Mach. SOT^	*	*	*	*	*	*	*	n/a	10
51-6091	Extruding & Forming Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-6092	Fabric & Apparel Patternmakers	*	*	*	*	*	*	*	n/a	9
51-6093	Upholsterers	*	*	*	*	*	*	*	n/a	9
51-6099	Textile, Apparel & Furnishings Workers, Other	*	*	*	*	*	*	*	n/a	11
<b>51-7000</b>	<b>Woodworkers</b>	<b>245</b>	<b>239</b>	<b>-6</b>	<b>-2.4</b>	<b>1</b>	<b>7</b>	<b>8</b>	<b>n/a</b>	<b>n/a</b>
51-7011	Cabinetmakers & Bench Carpenters	*	*	*	*	*	*	*	n/a	9
51-7021	Furniture Finishers	*	*	*	*	*	*	*	n/a	9
51-7031	Model Makers, Wood	*	*	*	*	*	*	*	n/a	9
51-7032	Patternmakers, Wood	*	*	*	*	*	*	*	n/a	9
51-7041	Sawing Machine SOT^, Wood	81	72	-9	-11.1	0	2	2	12.73	10
51-7042	Woodworking Machine SOT^	59	55	-4	-6.8	0	2	2	9.06	10
51-7099	Woodworkers, All Other	71	75	4	5.6	0	2	2	n/a	10

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 76      ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>51-8000</b>	<b>Plant &amp; System Operators</b>	<b>191</b>	<b>193</b>	<b>2</b>	<b>1.0</b>	<b>1</b>	<b>6</b>	<b>7</b>	<b>n/a</b>	<b>n/a</b>
51-8012	Power Distributors & Dispatchers	*	*	*	*	*	*	*	n/a	9
51-8013	Power Plant Operators	*	*	*	*	*	*	*	n/a	9
51-8021	Stationary Engineers & Boiler Operators	36	39	3	8.3	0	1	1	14.49	9
51-8031	Water & Liquid Waste Treat. Plant & Sys. Ops.	54	62	8	14.8	1	2	3	14.99	9
51-8091	Chemical Plant & System Operators	53	52	-1	-1.9	0	2	2	17.04	9
51-8092	Gas Plant Operators	*	*	*	*	*	*	*	n/a	9
51-8093	Petroleum Pump System Ops., Refinery Ops.	*	*	*	*	*	*	*	n/a	9
51-8099	Plant & System Operators, All Other	*	*	*	*	*	*	*	n/a	9
<b>51-9000</b>	<b>Other Production Occupations</b>	<b>2,444</b>	<b>2,565</b>	<b>121</b>	<b>5.0</b>	<b>17</b>	<b>62</b>	<b>79</b>	<b>n/a</b>	<b>n/a</b>
51-9011	Chemical Equipment Operators & Tenders	45	55	10	22.2	1	1	2	n/a	10
51-9012	Separate, Filter, Clarify, & Still Machine Ops.	41	43	2	4.9	0	1	1	n/a	10
51-9021	Crush, Grind & Polish Machine Setters & Ops.	*	*	*	*	*	*	*	12.90	10
51-9022	Grinding & Polishing Workers, Hand	*	*	*	*	*	*	*	n/a	10
51-9023	Mixing & Blending Machine SOT^	71	77	6	8.5	1	2	3	14.67	10
51-9031	Cutters & Trimmers, Hand	*	*	*	*	*	*	*	n/a	11
51-9032	Cutting & Slicing Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-9041	Extruding, Form, Press & Compact Mach. Ops.	131	118	-13	-9.9	0	4	4	13.48	10
51-9051	Furnace, Kiln, Oven, Drier & Kettle Ops. & Tend.	*	*	*	*	*	*	*	n/a	10
51-9061	Inspector, Tester, Sorter, Sampler & Weigher	469	447	-22	-4.7	0	11	11	15.62	10
51-9071	Jewelers & Precious Stone & Metal Workers	*	*	*	*	*	*	*	n/a	7
51-9081	Dental Laboratory Technicians	*	*	*	*	*	*	*	n/a	9
51-9082	Medical Appliance Technicians	*	*	*	*	*	*	*	n/a	9
51-9083	Ophthalmic Laboratory Technicians	*	*	*	*	*	*	*	n/a	10
51-9111	Packaging & Filling Machine Ops. & Tenders	235	242	7	3.0	1	5	6	12.10	11
51-9121	Coating, Painting & Spraying Machine SOT^	85	86	1	1.2	0	2	2	13.09	10
51-9122	Painters, Transportation Equipment	*	*	*	*	*	*	*	14.06	9
51-9123	Painting, Coating & Decorating Workers	*	*	*	*	*	*	*	10.08	11
51-9131	Photographic Process Workers	*	*	*	*	*	*	*	n/a	10
51-9132	Photographic Processing Machine Operators	*	*	*	*	*	*	*	7.85	11

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 76      ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
51-9191	Cementing & Gluing Machine Ops. & Tenders	*	*	*	*	*	*	*	n/a	10
51-9192	Cleaning, Washing & Metal Pickling Equip. Ops.	*	*	*	*	*	*	*	n/a	10
51-9193	Cooling & Freezing Equipment Ops. & Tenders	*	*	*	*	*	*	*	n/a	10
51-9194	Etchers & Engravers	*	*	*	*	*	*	*	n/a	9
51-9195	Molders, Shapers & Casters, Ex. Metal & Plastic	58	57	-1	-1.7	0	1	1	n/a	10
51-9196	Paper Goods Machine SOT^	47	58	11	23.4	1	1	2	n/a	10
51-9197	Tire Builders	*	*	*	*	*	*	*	n/a	10
51-9198	Helpers--Production Workers	826	938	112	13.6	11	23	34	n/a	11
51-9199	Production Workers, All Other	156	159	3	1.9	0	4	4	15.63	10

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 76      ^SOT - Setters, Operators & Tenders  
Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch



# Pennyrile Area

## Occupational Employment Outlook

### Transportation & Material Moving Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual Growth	2004-2014 Separations	Total		
<b>53-0000 Transportation &amp; Material Moving Occupations</b>		<b>6,439</b>	<b>7,096</b>	<b>657</b>	<b>10.2</b>	<b>72</b>	<b>146</b>	<b>218</b>	<b>12.47</b>	<b>n/a</b>
<b>53-1000</b>	<b>Supervisors, Transp. &amp; Material Moving Work.</b>	<b>217</b>	<b>253</b>	<b>36</b>	<b>16.6</b>	<b>4</b>	<b>5</b>	<b>9</b>	<b>n/a</b>	<b>n/a</b>
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	*	*	*	n/a	8
53-1021	Mgrs. of Helpers, Laborers & Mat. Movers, Hand	71	79	8	11.3	1	2	3	19.40	8
53-1031	Mgrs. of Transp., Material-Moving & Vehicle Ops.	146	174	28	19.2	3	3	6	21.21	8
<b>53-2000</b>	<b>Air Transportation Workers</b>	<b>30</b>	<b>32</b>	<b>2</b>	<b>6.7</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>n/a</b>	<b>n/a</b>
53-2011	Airline Pilots, Copilots & Flight Engineers	*	*	*	*	*	*	*	n/a	5
53-2012	Commercial Pilots	*	*	*	*	*	*	*	n/a	7
53-2021	Air Traffic Controllers	*	*	*	*	*	*	*	n/a	9
53-2022	Airfield Operations Spec.	*	*	*	*	*	*	*	n/a	9
<b>53-3000</b>	<b>Motor Vehicle Operators</b>	<b>2,736</b>	<b>3,186</b>	<b>450</b>	<b>16.4</b>	<b>45</b>	<b>43</b>	<b>88</b>	<b>n/a</b>	<b>n/a</b>
53-3011	Ambulance Drivers & Attendants, Ex. EMTs	*	*	*	*	*	*	*	n/a	10
53-3021	Bus Drivers, Transit & Intercity	112	133	21	18.8	2	2	4	n/a	10
53-3022	Bus Drivers, School	508	591	83	16.3	8	11	19	11.20	11
53-3031	Driver/Sales Workers	257	297	40	15.6	4	4	8	n/a	11
53-3032	Truck Drivers, Heavy & Tractor-Trailer	1,198	1,386	188	15.7	19	20	39	15.27	10
53-3033	Truck Drivers, Light or Delivery Services	597	701	104	17.4	10	6	16	12.81	11
53-3041	Taxi Drivers & Chauffeurs	53	66	13	24.5	1	1	2	8.42	11
53-3099	Motor Vehicle Operators, All Other	*	*	*	*	*	*	*	n/a	11
<b>53-4000</b>	<b>Rail Transportation Workers</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>n/a</b>	<b>n/a</b>
53-4011	Locomotive Engineers	*	*	*	*	*	*	*	n/a	10
53-4012	Locomotive Firers	*	*	*	*	*	*	*	n/a	10
53-4013	Rail Yard Engineers, Dinkey Ops. & Hostlers	*	*	*	*	*	*	*	n/a	10
53-4021	Railroad Brake, Signal & Switch Operators	*	*	*	*	*	*	*	n/a	10
53-4031	Railroad Conductors & Yardmasters	*	*	*	*	*	*	*	n/a	10
53-4099	Rail Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	10
<b>53-5000</b>	<b>Water Transportation Workers</b>	<b>81</b>	<b>94</b>	<b>13</b>	<b>16.0</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>n/a</b>	<b>n/a</b>
53-5011	Sailors & Marine Oilers	39	47	8	20.5	1	1	2	n/a	11
53-5021	Captains, Mates & Pilots of Water Vessels	36	40	4	11.1	0	1	1	n/a	8
53-5022	Motorboat Operators	*	*	*	*	*	*	*	n/a	10
53-5031	Ship Engineers	*	*	*	*	*	*	*	n/a	7

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Pennyrile Area

## Occupational Employment Outlook

### Transportation & Material Moving Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>53-6000</b>	<b>Other Transportation Workers</b>	<b>139</b>	<b>133</b>	<b>-6</b>	<b>-4.3</b>	<b>0</b>	<b>6</b>	<b>6</b>	<b>n/a</b>	<b>n/a</b>
53-6011	Bridge & Lock Tenders	*	*	*	*	*	*	*	n/a	11
53-6021	Parking Lot Attendants	*	*	*	*	*	*	*	n/a	11
53-6031	Service Station Attendants	102	104	2	2.0	0	5	5	10.43	11
53-6041	Traffic Technicians	*	*	*	*	*	*	*	n/a	11
53-6051	Transportation Inspectors	*	*	*	*	*	*	*	n/a	8
53-6099	Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	11
<b>53-7000</b>	<b>Material Moving Workers</b>	<b>3,201</b>	<b>3,371</b>	<b>170</b>	<b>5.3</b>	<b>22</b>	<b>88</b>	<b>110</b>	<b>n/a</b>	<b>n/a</b>
53-7011	Conveyor Operators & Tenders	76	93	17	22.4	2	2	4	13.48	11
53-7021	Crane & Tower Operators	59	65	6	10.2	1	1	2	19.30	9
53-7031	Dredge Operators	*	*	*	*	*	*	*	n/a	10
53-7032	Excavating & Loading Machine & Dragline Ops.	200	243	43	21.5	4	6	10	18.22	10
53-7033	Loading Machine Ops., Underground Mining	*	*	*	*	*	*	*	n/a	10
53-7041	Hoist & Winch Operators	*	*	*	*	*	*	*	n/a	10
53-7051	Industrial Truck & Tractor Operators	444	484	40	9.0	4	8	12	12.61	11
53-7061	Cleaners of Vehicles & Equipment	136	148	12	8.8	1	5	6	8.25	11
53-7062	Laborer & Freight, Stock & Material Mover, Hand	1,413	1,468	55	3.9	6	46	52	10.21	11
53-7063	Machine Feeders & Offbearers	271	249	-22	-8.1	0	7	7	n/a	11
53-7064	Packers & Packagers, Hand	439	479	40	9.1	4	8	12	8.16	11
53-7071	Gas Compressor & Gas Pumping Station Ops.	*	*	*	*	*	*	*	n/a	10
53-7072	Pump Operators, Ex. Wellhead Pumpers	*	*	*	*	*	*	*	n/a	10
53-7073	Wellhead Pumpers	*	*	*	*	*	*	*	n/a	10
53-7081	Refuse & Recyclable Material Collectors	38	42	4	10.5	0	1	1	10.77	11
53-7111	Shuttle Car Operators	88	65	-23	-26.1	0	2	2	n/a	11
53-7121	Tank Car, Truck & Ship Loaders	*	*	*	*	*	*	*	n/a	10
53-7199	Material Moving Workers, All Other	*	*	*	*	*	*	*	n/a	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

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Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

## Educational/Training Classifications

Occupations are classified into 11 categories and listed according to these principles:

An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.

Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.

The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a postsecondary award generally is needed for entry.

### Postsecondary awards

**(1) *First professional degree.*** Completion of the degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

**(2) *Doctoral degree.*** Completion of a Ph.D. or other doctoral degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

**(3) *Master's degree.*** Completion of the degree usually requires one or two years of full time academic study beyond a bachelor's degree.

**(4) *Bachelor's or higher degree, plus work experience.*** Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

**(5) *Bachelor's degree.*** Completion of the degree generally requires at least four years, but not more than five years, of full-time academic study.

**(6) *Associate's degree.*** Completion of the degree usually requires at least two years of full-time academic study.

**(7) *Postsecondary vocational awards.*** Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

### Work-related training

**(8) *Work experience in a related occupation.*** Many occupations requiring work experience are managers of service, sales and related, production, or other occupations, or are management occupations.

**(9) *Long-term, on-the-job training.*** More than 12 months of on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to five years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations - insurance sales and securities sales, for example - trainees take formal courses, often provided on the job site, to prepare for the required licensing exams. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability - such as that possessed by musicians, athletes, actors, and other entertainers - that must be cultivated over several years, frequently in a nonwork setting.

**(10) *Moderate-term, on-the-job training.*** Skills needed to be fully qualified can be acquired during one to twelve months of combined on-the-job experience and informal training.

**(11) *Short-term, on-the-job training.*** Skills needed to be fully qualified can be acquired during a short demonstration of job duties or during one month or less of on-the-job experience or instruction.

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Adult Literacy, Remedial Education, & GED Teachers & Instructors	23
Advertising & Promotions Managers	11
Advertising Sales Agents	34
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Aerospace Engineering & Operations Technicians	16
Aerospace Engineers	15
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Agricultural & Food Science Technicians	18
Agricultural Engineers	15
Agricultural Equipment Operators	37
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Anthropology & Archeology Teachers, Postsecondary	21
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Carpet Installers	38
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Cashiers	34
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